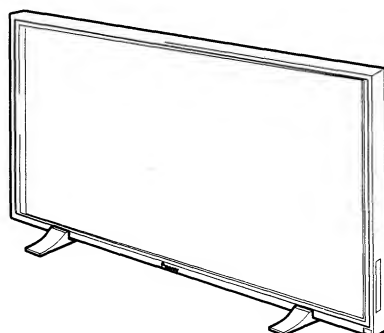


Service Manual

Pioneer



ORDER NO.
ARP3078

PLASMA DISPLAY

PDP-502MX PDP-502MXE

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model		Power Requirement	Remarks
	PDP-502MX	PDP-502MXE		
LUCBW/1	○	—	AC100 – 120V	
VVLDK/1	—	○	AC100 – 240V	

- This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
PDP-502MX	ARP3075	EXPLODED VIEWS AND PARTS LIST, BLOCK DIAGRAM, ADJUSTMENT, DIAGNOSIS, etc.

- In PDP-502MX and PDP-502MXE, there are two different models (original model and value analysis model) respectively. Confirm the mark and serial No. of the product Rear side, and use each service manual. Refer to "Confirm it".

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1. PCB PARTS LIST

- NOTES :
- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
 - The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - When ordering resistors, first convert resistance values into code form as shown in the following examples.
- Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).
- 560 Ω \rightarrow $56 \times 10^1 \rightarrow 561$ RD1/4PU $\begin{bmatrix} 5 & 6 & 1 \end{bmatrix}$ J
47k Ω \rightarrow $47 \times 10^3 \rightarrow 473$ RD1/4PU $\begin{bmatrix} 4 & 7 & 3 \end{bmatrix}$ J
0.5 Ω \rightarrow R50 RN2H $\begin{bmatrix} R & 5 & 0 \end{bmatrix}$ K
1 Ω \rightarrow 1R0 RS1P $\begin{bmatrix} 1 & R & 0 \end{bmatrix}$ K
- Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).
- 5.62k Ω \rightarrow $562 \times 10^1 \rightarrow 5621$ RN1/4PC $\begin{bmatrix} 5 & 6 & 2 & 1 \end{bmatrix}$ F

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	Part No.		Remarks
		PDP-502MX/ LUCBW/1	PDP-502MXE/ YVLDK/1	
NSP	ANALOG VIDEO ASSY	AWV1840	AWV1846	
	— VIDEO ASSY	AWZ6495	AWZ6516	
	— INPUT ASSY	AWZ6496	AWZ6496	
	— FAN CABLE (B) ASSY	AWZ6497	AWZ6497	
	— IR RECEIVE ASSY	AWZ6498	AWZ6498	
	DIGITAL VIDEO ASSY	AWV1841	AWV1841	
	X DRIVE ASSY	AWV1842	AWV1842	
NSP	CABLE ASSY	AWV1843	AWV1843	
	U-COM ASSY	AWV1844	AWV1851	
	— U-COM ASSY	AWZ6499	AWZ6520	
	— SIDE SW ASSY	AWZ6500	AWZ6500	
	— SENSOR (A) ASSY	AWZ6501	AWZ6501	
	— FAN CABLE (A) ASSY	AWZ6502	AWZ6502	
	— AUDIO AMP ASSY	AWZ6503	AWZ6503	
NSP	— CONTROL ASSY	AWZ6504	AWZ6504	
	— SP TERMINAL (L) ASSY	AWZ6505	AWZ6505	
	POWER SUPPLY ASSY	AWV1845	AWV1845	
	— MAIN POWER ASSY	AWZ6506	AWZ6506	
	— RCC CONTROL (A) ASS	AWZ6507	AWZ6507	
	— RCC CONTROL (B) ASS	AWZ6508	AWZ6508	
	— RCC CONTROL (C) ASS	AWZ6509	AWZ6509	
NSP	— OTL CONTROL (A) ASS	AWZ6510	AWZ6510	
	— OTL CONTROL (B) ASS	AWZ6511	AWZ6511	
	— OTL CONTROL (C) ASS	AWZ6512	AWZ6512	
	— X CABLE U ASSY	AWZ6514	AWZ6514	
	— X CABLE D ASSY	AWZ6515	AWZ6515	
	Y DRIVE ASSY	AWV1847	AWV1847	
NSP	SCAN ASSY	AWV1848	AWV1848	
	— SCAN (A) ASSY	AWZ6518	AWZ6518	
	— SCAN (B) ASSY	AWZ6519	AWZ6519	

■ CONTRAST OF PCB ASSEMBLIES

U-COM ASSY

AWZ6499 and AWZ6520 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		AWZ6499	AWZ6520	
	R3729 R3735 R3801, R3885 R3802, R3886	RS1/16S473J Not used RS1/16S0R0J Not used	Not used RS1/16S473J Not used RS1/16S0R0J	

■ PCB PARTS LIST

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
VIDEO ASSY (AWZ6495: PDP-502MX)							
SEMICONDUCTORS							
	IC104		24LC01B		IC502, IC504		TC7SET08FU
	IC507		24LCS21A		IC2408		TC7W04FU
	IC1204		BA7655AF		IC2006		TC7WU04FU
	IC306		BA7657F		IC101, IC1107		TK15420M
	IC2301, IC901		CXA1875AM		IC1101		UPD64082GF-3BA
	IC1401		CXA2101AQ		Q1004, Q101, Q1102-Q1104, Q1107		2SA1037K
	IC2402		CXA3506R		Q111, Q118, Q1222, Q1401-Q1404		2SA1037K
	IC1001		CXD2064Q		Q1407, Q1601, Q1604, Q1609, Q1652		2SA1037K
	IC506		LT1399CS		Q1654-Q1656, Q2004, Q2008		2SA1037K
	IC2002		M52346SP		Q2404-Q2406, Q306, Q308-Q310		2SA1037K
	IC1002, IC1003, IC1105, IC1106		ML6428CS-1		Q710, Q714, Q716, Q720, Q722		2SA1037K
	IC1102		MSM5416258B-30JD		Q802-Q805, Q816-Q818		2SA1037K
	IC1651		NJM072BM-E		Q1001-Q1003, Q102-Q110, Q1101		2SC2412K
	IC1207, IC307		NJM2234M		Q1105, Q115-Q117, Q1201-Q1203		2SC2412K
	IC1205		NJM319M		Q1206-Q1208, Q1210, Q1214-Q1219		2SC2412K
	IC301, IC303, IC501, IC503		NJM360M		Q1221, Q1223-Q1225, Q1405, Q1406		2SC2412K
	IC2201		PD2060A		Q1408, Q1409, Q1501-Q1512		2SC2412K
	IC2005		PDY069C		Q1602, Q1603, Q1605-Q1608, Q1651		2SC2412K
	IC1004, IC1103, IC2401, IC2407		PQ05DZ51		Q1657, Q2001, Q2003, Q2403		2SC2412K
	IC3401-IC3403, IC3407		PQ05DZ51		Q2407-Q2417, Q302, Q304, Q502		2SC2412K
	IC3405, IC3406		PQ09DZ11		Q504, Q651, Q652, Q701-Q709		2SC2412K
	IC3404		PQ12DZ11		Q712, Q713, Q715, Q717-Q719		2SC2412K
	IC2406, IC2901		PQ3DZ13		Q721, Q801, Q806, Q819		2SC2412K
	IC1104		PQ3DZ53		Q711		2SK208
	IC2203		PST9146N		Q1516, Q2009		DTA124EK
	IC3408		TA79L05F		Q1106, Q1513, Q1610, Q1611, Q1653		DTC124EK
	IC1201		TB1227BN		Q1701, Q1702, Q2005, Q2007		DTC124EK
	IC102, IC651, IC802		TC4052BF		Q807-Q815		DTC124EK
	IC801, IC803		TC4053BF		Q301, Q303, Q312-Q314		UMY1N
	IC2205		TC74AC08F		Q316-Q318, Q501, Q503		UMY1N
	IC1601		TC74HC4053AF		Q505, Q506		UMY1N
	IC1202		TC74HC4538AF		D101, D103-D107, D112		1SS226
	IC2902-IC2908		TC74LCX541FT		D301-D305, D307, D309		1SS226
	IC2004		TC74VHC123AFT		D311-D313, D315-D317, D502		1SS226
	IC1206, IC2003, IC2007, IC2202, IC305		TC74VHCT541AFT		D504-D511, D514, D515		1SS226

PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
	D651–D654, D901, D902		1SS226
	D1001–D1003, D102, D111		1SS355
	D1201–D1203, D1401–D1403, D1601		1SS355
	D2005, D2006, D2010, D2201		1SS355
	D2401–D2404, D306, D308, D501		1SS355
	D503, D512, D521, D701		1SS355
	D801, D802		1SS355
	D513		RD6.8MB

COILS AND FILTERS

F1001–F1004, F1101, F1102	ATF1194
F1104–F1106, F1108, F1701	ATF1194
F2001, F2002, F2004, F2401–F2407	ATF1194
F3401–F3403, F901 (1μF)	ATF1194
DL701	ATN1045
L1102	ATX1008
L651–L654	LCTA1R0J2520
L804	LCTA1R8J2520
L101, L1202–L1205, L655, L656	LCTA2R2J2520
L802, L803	LCTA3R9J2520
L1101	LCTA4R7J2520
L706	LCTA5R6J2520
L701, L704	LCTA6R8J2520
L705	LCTA8R2J2520
L702	LCYA120J2520
L806	LCYA270J2520
L301, L302, L501, L502, L703	LCYA470J2520
L801, L805, L807	LCYA470J2520
L1201	LCYA560J2520

CAPACITORS

C2500 (0.33μF/16V)	ACE1129
C1202, C1263, C2478 (0.47μF/16V)	ACE1130
C2074, C2075	CCSQCH100D50
C2219, C2443	CCSQCH101J50
C1228	CCSQCH120J50
C711, C715	CCSQCH121J50
C2031, C2032, C714	CCSQCH151J50
C1115, C1116, C1287	CCSQCH180J50
C803	CCSQCH181J50
C2077, C2078, C2208, C2209, C809	CCSQCH220J50
C1239, C2013, C2021, C2213, C710	CCSQCH221J50
C804, C805	CCSQCH221J50
C2935, C2936, C811	CCSQCH270J50
C1268, C1269, C1608, C1609, C716	CCSQCH271J50
C1148, C2056	CCSQCH391J50
C2076, C2207, C2220, C2221	CCSQCH470J50
C1149, C1235, C1236, C2212	CCSQCH471J50
C810	CCSQCH560J50
C709	CCSQCH821J50
C1216	CCSQSL102J50
C712	CCSQSL122J50
C2499	CCSQSL331J50
C2503–C2505	CCSRCH101J50
C2475–C2477	CCSRCH121J50
C2501	CCSRCH220J50

Mark	No.	Description	Part No.
	C3422, C3423, C3425, C3427, C3429		CEHAQ471M25
	C102, C1124, C1229, C1240, C1241		CEV100M16
	C1258, C1260, C1262, C1266, C1272		CEV100M16
	C1426–C1428, C1439, C1460, C1503		CEV100M16
	C1506, C1509, C1652, C1658, C2027		CEV100M16
	C2470, C2479, C311, C320, C502		CEV100M16
	C504, C510, C707, C718		CEV100M16
	C1002, C1019, C1027, C1112, C1123		CEV101M6R3
	C1137, C1139, C1142, C2007, C2059		CEV101M6R3
	C2064, C2210, C2404, C2411, C2414		CEV101M6R3
	C2417, C2421, C2422, C2425, C2432		CEV101M6R3
	C2434, C2436, C2441, C2452, C2454		CEV101M6R3
	C2484, C2492–C2494, C2940, C338		CEV101M6R3
	C3407–C3409, C3432, C541, C543		CEV101M6R3
	C665, C666, C901		CEV101M6R3
	C2023		CEV1R0M50
	C1003, C105, C1136, C1141, C1158		CEV220M16
	C1238, C1250, C1252, C1274, C1282		CEV220M16
	C1288, C1289, C133, C134, C150		CEV220M16
	C1510, C1512, C1514, C1653, C312		CEV220M16
	C321, C339, C340, C503, C511		CEV220M16
	C708, C719, C723, C732, C734		CEV220M16
	C801, C808, C816		CEV220M16
	C1035, C1120, C1128, C113, C1147		CEV220M6R3
	C1276, C1277, C2068, C327, C349		CEV220M6R3
	C538		CEV220M6R3
	C1033, C1037, C2402, C2482, C2938		CEV221M10
	C1215, C1234, C2071		CEV2R2M50
	C1159, C1201, C1207, C1210, C1226		CEV470M16
	C1230, C1246, C1420, C1424, C1456		CEV470M16
	C1459, C1525, C1603, C1605, C1651		CEV470M16
	C1656, C1705, C2001, C2003, C2012		CEV470M16
	C2490, C3410, C3411, C3413, C3415		CEV470M16
	C3417, C3419, C3424, C3426, C3428		CEV470M16
	C535, C537, C703, C705, C729		CEV470M16
	C108, C1117, C1144, C116, C118		CEV470M6R3
	C123, C1279, C2033, C2052, C2072		CEV470M6R3
	C2201, C2218, C2303, C2406, C2408		CEV470M6R3
	C2486, C2488, C2901, C2902, C316		CEV470M6R3
	C335, C342, C350, C506, C528		CEV470M6R3
	C103, C1211, C1224, C139, C2024		CEV4R7M35
	C2026, C2216		CEV4R7M35
	C1261, C138, C717		CEVNP100M16
	C109, C110, C1516–C1518, C301		CEVNP470M10
	C303, C304, C307, C308, C319		CEVNP470M10
	C332–C334, C358, C361, C363		CEVNP470M10
	C509, C520, C522, C524		CEVNP470M10
	C310, C501		CEVNP4R7M16
	C1218, C1223		CFHSP104J16
	C112, C1220, C1225, C1232, C2057		CFHSQ103J16
	C302, C305, C306, C329–C331		CFHSQ103J16
	C357, C360, C362, C519, C521		CFHSQ103J16
	C523		CFHSQ103J16
	C2022		CFHSQ472J16
	C1013		CKSQYB102K50

Mark	No.	Description	Part No.
	C101, C1034, C1119, C1156		CKSQYB103K50
	C1203–C1206, C1208, C1209, C1227		CKSQYB103K50
	C1231, C132, C1519–C1521, C706		CKSQYB103K50
	C722, C735, C806		CKSQYB103K50
	C1021, C1022, C1109, C1153–C1155		CKSQYB104K25
	C1217, C1423, C1443, C1445–C1447		CKSQYB104K25
	C1701–C1703, C2005, C2020		CKSQYB104K25
	C2438–C2440, C2458, C2459, C2467		CKSQYB104K25
	C2469, C2471, C2473		CKSQYB104K25
	C1038, C1039, C1163–C1165		CKSQYB105K10
	C1212–C1214, C1243, C1281		CKSQYB105K10
	C1284, C1285, C1410, C1412		CKSQYB105K10
	C1415–C1419, C1453, C1454, C2410		CKSQYB105K10
	C2455, C667, C668		CKSQYB105K10
	C1452, C651–C654		CKSQYB222K50
	C1016		CKSQYB223K50
	C713		CKSQYB392K50
	C359		CKSQYB471K50
	C111		CKSQYB473K50
	C1461–C1474		CKSQYB474K16
	C2460–C2462		CKSRYB104K16
	C2054		CKSRYF103Z50
	C1001, C1004–C1012, C1014, C1015		CKSRYF104Z16
	C1018, C1020, C1024–C1026		CKSRYF104Z16
	C1028–C1032, C1036, C104		CKSRYF104Z16
	C106, C107, C1101–C1108		CKSRYF104Z16
	C1110, C1111, C1113, C1114, C1118		CKSRYF104Z16
	C1121, C1122, C1125–C1127		CKSRYF104Z16
	C1129–C1131, C1133–C1135, C1138		CKSRYF104Z16
	C114, C1140, C1143, C1145, C1146		CKSRYF104Z16
	C115, C1151, C1157, C117		CKSRYF104Z16
	C119–C122, C1233, C1237, C124		CKSRYF104Z16
	C1244, C1245, C1247–C1249, C1251		CKSRYF104Z16
	C1253–C1257, C1259, C1264, C1265		CKSRYF104Z16
	C1267, C1270, C1273, C1275, C1278		CKSRYF104Z16
	C128, C1280, C1283, C1286, C129		CKSRYF104Z16
	C1290, C136, C137, C1413		CKSRYF104Z16
	C1421, C1422, C1425, C1430–C1438		CKSRYF104Z16
	C1441, C1442, C1444, C1448–C1450		CKSRYF104Z16
	C1455, C1457, C1458, C149		CKSRYF104Z16
	C1501, C1502, C1504, C1505		CKSRYF104Z16
	C1507, C1508, C1511, C1513, C1515		CKSRYF104Z16
	C1522–C1524, C1526, C1601, C1602		CKSRYF104Z16
	C1604, C1606, C1607, C1654, C1655		CKSRYF104Z16
	C1657, C1704, C2002, C2004, C2006		CKSRYF104Z16
	C2008, C2011, C2025, C2028, C2029		CKSRYF104Z16
	C2034, C2053, C2058, C2060–C2063		CKSRYF104Z16
	C2065–C2067, C2069, C2070, C2073		CKSRYF104Z16
	C2079, C2202–C2204, C2211, C2214		CKSRYF104Z16
	C2217, C2302, C2401, C2403, C2405		CKSRYF104Z16
	C2407, C2412, C2413, C2415, C2416		CKSRYF104Z16
	C2418–C2420, C2423, C2424		CKSRYF104Z16
	C2426–C2431, C2433, C2435, C2437		CKSRYF104Z16
	C2442, C2444, C2448, C2449, C2453		CKSRYF104Z16
	C2456, C2457, C2463, C2466, C2468		CKSRYF104Z16

Mark	No.	Description	Part No.
	C2480, C2481, C2483, C2485, C2487		CKSRYF104Z16
	C2489, C2491, C2495, C2496		CKSRYF104Z16
	C2903—C2908, C2934, C2937, C2939		CKSRYF104Z16
	C309, C314, C315, C323, C328		CKSRYF104Z16
	C336, C337, C3401—C3406, C341		CKSRYF104Z16
	C3412, C3414, C3416, C3418		CKSRYF104Z16
	C3420, C3421, C343, C3430, C3431		CKSRYF104Z16
	C3433—C3435, C353, C366—C374		CKSRYF104Z16
	C376, C377, C379, C505, C507		CKSRYF104Z16
	C513, C515, C525, C527, C530		CKSRYF104Z16
	C534, C536, C539, C540, C542		CKSRYF104Z16
	C544—C547, C657—C660		CKSRYF104Z16
	C701, C702, C704, C720, C721		CKSRYF104Z16
	C724—C728, C730, C731, C733		CKSRYF104Z16
	C736, C737, C802, C807		CKSRYF104Z16
	C812—C815, C817—C824, C902		CKSRYF104Z16

RESISTORS

R1052	ACN1146
R1181	ACN1147
R2465	ACN1148
R2479	ACN1149
R2042, R2153–R2158, R2241, R2245	RAB4C101J
R2248, R2254, R2261, R2278	RAB4C101J
R2452–R2463	RAB4C101J
R2226–R2231, R2296	RAB4C103J
R3115–R3126	RAB4C220J
R2312, R2901–R2912	RAB4C470J
R2020	RAB4C471J
R2406	RN1/16SE33001D
R2485	RN1/16SE3301D
R3425–R3427	RS1/10S0R0J
R1657	RS1/10S1001F
R306, R317, R507, R519	RS1/10S1002F
R1664	RS1/10S1102F
R1672	RS1/10S1300F
R1225, R2079	RS1/10S1502F
R1019–R1021, R1038, R1142, R1143	RS1/10S152J
R1233, R1234, R1256, R1257	RS1/10S152J
R1316, R1317, R1502, R1505, R1514	RS1/10S152J
R1517, R1526, R1529, R1540–R1545	RS1/10S152J
R1547, R1548, R1550, R1551	RS1/10S152J
R1553, R1554, R1624, R1626, R1627	RS1/10S152J
R1635, R1637, R1662, R346	RS1/10S152J
R102	RS1/10S154J
R1665	RS1/10S1602F
R1012	RS1/10S1800F
R1656	RS1/10S1802F
R1501, R1513, R1525	RS1/10S181J
R716, R718	RS1/10S182J
R1227, R1409	RS1/10S2202F
R1125, R651, R652, R655, R656	RS1/10S224J
R1222	RS1/10S244J

PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
	R1002		RS1/10S3001F
	R755		RS1/10S301J
	R1013, R1673		RS1/10S3300F
	R1003, R310, R321, R511, R542		RS1/10S3301F
	R2086		RS1/10S3302F
	R1023, R1272, R1273, R1318, R1338		RS1/10S331J
	R1630, R2151, R304, R315, R505		RS1/10S331J
	R517, R702, R710, R728, R748		RS1/10S331J
	R1217, R1259, R1271, R1275, R1279		RS1/10S332J
	R1289, R1309		RS1/10S332J
	R1403		RS1/10S335J
	R701		RS1/10S3900F
	R307, R318, R508, R520		RS1/10S4701F
	R1402		RS1/10S4702F
	R2085		RS1/10S4703F
	R1024, R1029, R1157, R1162, R1163		RS1/10S471J
	R1174, R119, R120, R1218, R1265		RS1/10S471J
	R1333, R1336, R1401, R163, R167		RS1/10S471J
	R191, R198, R201, R2073, R343		RS1/10S471J
	R348, R388, R705, R726, R737		RS1/10S471J
	R758, R811		RS1/10S471J
	R386		RS1/10S474J
	R1046		RS1/10S5600F
	R309, R510		RS1/10S5601F
	R1011, R1045		RS1/10S561J
	R112		RS1/10S562J
	R1010, R2026, R2027		RS1/10S563J
	R320, R544		RS1/10S6201F
	R104		RS1/10S623J
	R1663		RS1/10S6801F
	R1016, R184, R186, R715, R736		RS1/10S681J
	R809		RS1/10S681J
	R113, R1448, R714, R721, R735		RS1/10S682J
	R337		RS1/10S683J
	R1001		RS1/10S7501F
	R108, R124, R127, R129		RS1/10S750J
	R523–R525		RS1/10S750J
	R704		RS1/10S751J
	R1219		RS1/10S752J
	R305, R506		RS1/10S753J
	R1655		RS1/10S8201F
	R1025, R711, R717, R824		RS1/10S821J
	R2025, R316, R518		RS1/10S823J
	R2412, R2517		RS1/16S2201F
	R2411		RS1/16S2701F
	R2516		RS1/16S5600F
	R1178		RS1LMF1R5J
	R3405, R3413		RS1LMF1R8J
	R3404		RS2LMF1R8J
	R2464, R3421		RS3LMF2R2J
	R3420		RS3LMF6R8J
	Other Resistors		RS1/16S □□□□J

Mark	No.	Description	Part No.
OTHERS			
	J2401	WIRE	ADX2641
	J2402	WIRE	ADX2642
	CN651	JACK	AKN1069
	CN102	SIN SOCKET	AKP1175
	CN501, CN502	15PD–SUB SOCKET	AKP1195
	101	CONNECTOR	AKX1053
	K1202–K1205, K1401, K1651, K1652		AKX9002
	K2004, K2005, K2012–K2015		AKX9002
	K2018–K2034, K2201–K2206		AKX9002
	K2208–K2212, K2401, K2402		AKX9002
	K2404–K2422, K2426, K2427		AKX9002
	K2430–K2434, K2901–K2904		AKX9002
	X1101 (20MHz)		ASS1143
	X2001 (16.0MHz)		ASS1145
	X1201 (16.2MHz)		ASS1152
	CN2201	CONNECTOR	B10B–PH–SM3
	CN302	CONNECTOR	B6B–PH–SM3
	CN2903	CONNECTOR	B8B–PH–SM3
	CN3406, CN3407	CONNECTOR	B9B–PH–SM3
	JA652	JACK	DKB1031
	CN2901		DKC1006

VIDEO ASSY (AWZ6516: PDP-502MXE) SEMICONDUCTORS

IC104	24LC64(I)SN
IC507	24LCS21A
IC306	BA7657F
IC2301	CXA1875AM
IC1401	CXA2101AQ
IC2402	CXA3506R
IC506	LT1399CS
IC2002	M52346SP
IC1651	NJM072BM–E
IC307	NJM2234M
IC301, IC303, IC501, IC503	NJM360M
IC2201	PD2060A
IC2005	PDY069C
IC2401, IC2407, IC3401–IC3403	PQ05DZ51
IC3406	PQ09DZ11
IC3404	PQ12DZ11
IC2406, IC2901	PQ3DZ13
IC2203	PST9146N
IC3408	TA79L05F
IC651	TC4052BF
IC2205	TC74AC08F
IC1601	TC74HC4053AF
IC2902–IC2908	TC74LCX541FT
IC2004	TC74VHC123AFT
IC2003, IC2007, IC2202, IC305	TC74VHCT541AFT
IC502, IC504	TC7SET08FU
IC2408	TC7W04FU
IC2006	TC7WU04FU

Mark	No.	Description	Part No.
	Q1401–Q1404, Q1407, Q1601, Q1604 Q1609, Q1652, Q1654–Q1656, Q2004	2SA1037K 2SA1037K	
	Q2008, Q2404–Q2406, Q306 Q308–Q310	2SA1037K 2SA1037K	
	Q1405, Q1406, Q1408, Q1409 Q1501–Q1512, Q1602, Q1603 Q1605–Q1608, Q1651, Q1657, Q2001	2SC2412K 2SC2412K 2SC2412K	
	Q2003, Q2403, Q2407–Q2417, Q302 Q304, Q502, Q504, Q507–Q509 Q651, Q652 Q1516, Q2009 Q1513, Q1610, Q1611, Q1653	2SC2412K 2SC2412K 2SC2412K DTA124EK DTC124EK	
	Q1701, Q1702, Q2005, Q2007 Q301, Q303, Q312–Q314 Q316–Q318, Q501, Q503 Q505, Q506 D106, D107, D301–D305, D307	DTC124EK UMY1N UMY1N UMY1N 1SS226	
	D309, D311–D313, D315–D317 D450, D451, D502, D504–D511 D514–D520, D651–D654 D1401–D1403, D1601, D2005, D2006 D2010, D2201, D2401–D2404, D306	1SS226 1SS226 1SS226 1SS355 1SS355	
	D308, D501, D503, D512, D521 D513	1SS355 RD6.8MB	

COILS AND FILTERS

F1701, F2001, F2002, F2004 F2401–F2407, F3401–F3403 L651–L654 L101, L655, L656 L301, L302, L501, L502	ATF1194 ATF1194 LCTA1R0J2520 LCTA2R2J2520 LCYA470J2520
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CAPACITORS

C2500 (0.33μF/16V) C2478 (0.47μF/16V) C2074, C2075 C2219, C2443 C2031, C2032	ACE1129 ACE1130 CCSQCH100D50 CCSQCH101J50 CCSQCH151J50
C2077, C2078, C2208, C2209 C2013, C2021, C2213 C2935, C2936 C1608, C1609 C2056	CCSQCH220J50 CCSQCH221J50 CCSQCH270J50 CCSQCH271J50 CCSQCH391J50
C2076, C2207, C2220, C2221 C2212 C2499 C2503–C2505 C2475–C2477	CCSQCH470J50 CCSQCH471J50 CCSQL331J50 CCSRCH101J50 CCSRCH121J50
C2501 C3422, C3425, C3427, C3429 C1426–C1428, C1439, C1460, C1503 C1506, C1509, C1652, C1658, C2027 C2470, C2479, C311, C320, C502	CCSRCH220J50 CEHAQ471M25 CEV100M16 CEV100M16 CEV100M16
C504, C508, C510 C2007, C2059, C2064, C2210, C2404	CEV100M16 CEV101M6R3

Mark	No.	Description	Part No.
	C2411, C2414, C2417, C2421, C2422 C2425, C2432, C2434, C2436, C2441 C2452, C2454, C2484, C2492–C2494	CEV101M6R3 CEV101M6R3 CEV101M6R3	
	C2940, C338, C3407–C3409, C3432 C541, C543, C665, C666 C2023 C1510, C1512, C1514, C1653, C312 C321, C339, C340, C503, C511	CEV101M6R3 CEV101M6R3 CEV1R0M50 CEV220M16 CEV220M16	
	C113, C2068, C327, C349, C538 C2402, C2482, C2938 C2071 C1420, C1424, C1456, C1459, C1525 C1603, C1605, C1651, C1656, C1705	CEV220M6R3 CEV221M10 CEV2R2M50 CEV470M16 CEV470M16	
	C2001, C2003, C2012, C2490 C3410, C3411, C3417, C3419, C3424 C3428, C535, C537 C2033, C2052, C2072, C2201, C2218 C2303, C2406, C2408, C2486, C2488	CEV470M16 CEV470M16 CEV470M16 CEV470M6R3 CEV470M6R3	
	C2901, C2902, C316, C335, C342 C350, C506, C528 C2024, C2026, C2216 C1516–C1518, C301, C303, C304 C307, C308, C319, C332–C334	CEV470M6R3 CEV470M6R3 CEV4R7M35 CEVNP470M10 CEVNP470M10	
	C358, C361, C363, C509, C520 C522, C524 C310, C501 C2057, C302, C305, C306 C329–C331, C357, C360, C362	CEVNP470M10 CEVNP470M10 CEVNP4R7M16 CFHSQ103J16 CFHSQ103J16	
	C519, C521, C523 C2022 C1519–C1521 C1423, C1443, C1445–C1447 C1701–C1703, C2005, C2020	CFHSQ103J16 CFHSQ472J16 CKSQYB103K50 CKSQYB104K25 CKSQYB104K25	
	C2438–C2440, C2458, C2459, C2467 C2469, C2471, C2473 C1410, C1412, C1415–C1419 C1453, C1454, C2410, C2455 C667, C668	CKSQYB104K25 CKSQYB104K25 CKSQYB105K10 CKSQYB105K10 CKSQYB105K10	
	C1452, C651–C654 C359 C1461–C1474 C2460–C2462 C2054	CKSQYB222K50 CKSQYB471K50 CKSQYB474K16 CKSRYB104K16 CKSRYF103Z50	
	C114, C1413, C1421, C1422, C1425 C1430–C1438, C1441, C1442, C1444 C1448–C1450, C1455, C1457, C1458 C1501, C1502, C1504, C1505 C1507, C1508, C1511, C1513, C1515	CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16	
	C1522–C1524, C1526, C1601, C1602 C1604, C1606, C1607, C1654, C1655 C1657, C1704, C2002, C2004, C2006 C2008, C2011, C2025, C2028, C2029 C2034, C2053, C2058, C2060–C2063	CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16	

PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
	C2065–C2067, C2069, C2070, C2073 C2079, C2202–C2204, C2211, C2214 C2217, C2302, C2401, C2403, C2405 C2407, C2412, C2413, C2415, C2416 C2418–C2420, C2423, C2424	CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16	
	C2426–C2431, C2433, C2435, C2437 C2442, C2444, C2448, C2449, C2453 C2456, C2457, C2463, C2466, C2468 C2480, C2481, C2483, C2485, C2487 C2489, C2491, C2495, C2496	CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16	
	C2903–C2908, C2934, C2937, C2939 C309, C314, C315, C323, C328 C336, C337, C3401–C3406, C341 C3412, C3418, C3420, C343 C3430, C3431, C3434, C3435, C353	CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16	
	C366–C374, C376, C377, C379 C505, C507, C513, C515, C525 C527, C530, C534, C536 C539, C540, C542, C544–C547 C657–C660	CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16 CKSRYF104Z16	

RESISTORS

R2465 R2479 R2042, R2153–R2158, R2241, R2245 R2248, R2254, R2261, R2278 R2452–R2463	ACN1148 ACN1149 RAB4C101J RAB4C101J RAB4C101J
R2226–R2231, R2296 R3115–R3126 R2312, R2901–R2912 R2020 R2406	RAB4C103J RAB4C220J RAB4C470J RAB4C471J RN1/16SE3001D
R2485 R3425–R3427 R1657 R306, R317, R507, R519 R1664	RN1/16SE3301D RS1/10S0R0J RS1/10S1001F RS1/10S1002F RS1/10S1102F
R1672 R2079 R1502, R1505, R1514, R1517, R1526 R1529, R1540–R1545, R1547, R1548 R1550, R1551, R1553, R1554, R1624	RS1/10S1300F RS1/10S1502F RS1/10S152J RS1/10S152J RS1/10S152J
R1626, R1627, R1635, R1637, R1662 R346 R1665 R1656 R1501, R1513, R1525	RS1/10S152J RS1/10S152J RS1/10S1602F RS1/10S1802F RS1/10S181J
R1409 R651, R652, R655, R656 R1673 R310, R321, R511, R542 R2086	RS1/10S2202F RS1/10S224J RS1/10S3300F RS1/10S3301F RS1/10S3302F
R1630, R2151, R304, R315, R505 R517 R1403	RS1/10S331J RS1/10S331J RS1/10S335J

R307, R318, R508, R520 R1402	RS1/10S4701F RS1/10S4702F
R2085 R1401, R2073, R343, R348, R388 R386 R309, R510 R2026, R2027	RS1/10S4703F RS1/10S471J RS1/10S474J RS1/10S5601F RS1/10S563J
R320, R544 R1663 R1448 R337 R523–R525	RS1/10S6201F RS1/10S6801F RS1/10S682J RS1/10S683J RS1/10S750J
R305, R506 R1655 R2025, R316, R518 R2412, R2517 R2411	RS1/10S753J RS1/10S8201F RS1/10S823J RS1/16S2201F RS1/16S2701F
R2516 R3405 R3404 R2464, R3421 R3420	RS1/16S5600F RS1LMF1R8J RS2LMF1R8J RS3LMF2R2J RS3LMF6R8J

Other Resistors

RS1/16S □□□J

OTHERS

J2401 WIRE J2402 WIRE CN651 JACK CN501, CN502 15PD–SUB SOCKET K1401, K1651, K1652, K2004, K2005	ADX2641 ADX2642 AKN1069 AKP1195 AKX9002
K2012–K2015, K2018–K2034 K2201–K2206, K2208–K2212 K2401, K2402, K2404–K2422 K2426, K2427, K2430–K2434 K2901–K2904	AKX9002 AKX9002 AKX9002 AKX9002 AKX9002
X2001 (16.0MHz) CN2201 CONNECTOR CN503 CONNECTOR CN302 CONNECTOR CN2903, CN304 CONNECTOR	ASS1145 B10B–PH–SM3 B13B–PH–SM3 B6B–PH–SM3 B8B–PH–SM3
CN3406, CN3407 CONNECTOR JA652 JACK CN2901	B9B–PH–SM3 DKB1031 DKC1006

INPUT ASSY

SWITCHES AND RELAYS

S3501	ASH1029
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RESISTORS

R3512, R3515 Other Resistors	RS1/16S222J RS1/10S □□□J
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Mark	No.	Description	Part No.
OTHERS			
	CN3503	CONNECTOR	AKX1050
FAN CABLE (B) ASSY			
CAPACITORS			
	C4261		CEV470M16
IR RECEIVE ASSY			
SEMICONDUCTORS			
	IC3601		SBX8035-H
	Q3601		2SC2712
	D3601-D3603		1SS352
CAPACITORS			
	C3604		CEV470M6R3
	C3603		CKSQYB472K50
	C3601		CKSRYB103K50
	C3602		CKSRYF104Z16
RESISTORS			
	Other Resistors		RS1/16S □□□J
OTHERS			
	CN3601	3P PH CONNECTOR	B3B-PH-SM3
DIGITAL VIDEO ASSY			
SEMICONDUCTORS			
	IC3401, IC3402		74LCX125MTC
	IC2901-IC2910, IC3001-IC3010		74LCX541MTC
	IC3203, IC3204, IC3305, IC3308, IC3309		74LCX541MTC
	IC3311-IC3313		74LCX541MTC
	IC3304, IC3307, IC3316		74VHC541MTC
	IC2202, IC3202		74VHC74MTC
	IC1802, IC2257, IC2313, IC3101-IC3104		74VHCT541AMTC
	IC3301-IC3303		74VHCT541AMTC
	IC3205		FS741BZB
	IC2001, IC2301		HD64F3067RF20
	IC551, IC601		LTC1435ACS
	IC2305		MM74HC08SJ
	IC2304		MM74HC4053SJ
	IC1951, IC1952, IC2602, IC2603		MS82V16520-8GA
	IC2702, IC2703, IC2802, IC2803		MS82V16520-8GA
	IC3403		NC7S04P5
	IC2310, IC2311		NC7S32M5
	IC2307, IC2309		NC7ST00P5
	IC2308, IC2312		NC7ST08P5
	IC2251		PD5538B
	IC2260		PDY061A
	IC2101		PE5061A

Mark	No.	Description	Part No.
	IC2151		PE5062A
	IC2601, IC2701, IC2801		PE5063A
	IC2201		PE5064A
	IC1901		PE5066A
	IC1801		PE5067A
	IC2302		PST9146N
	IC2306		TC7W04FU
	IC2303		TC7W14FU
	Q3101		2SA1162
	Q2301, Q2302, Q3102-Q3104		2SC2712
	Q551-Q553, Q601-Q603		2SC2712
	Q554, Q555		RES100N03
	Q604, Q605		TPC8003
	D2304, D2305		1SS184
	D2301, D2303, D3101-D3103		1SS355
	D555, D556, D605, D606		1SS355
	D2302, D2306		AEL1171
	D551, D552, D601, D602		D1FS4
	D604		RD2.2MB
	D554		RD3.6MB
	D603		RD5.1MB
	D553		RD6.8MB
COILS AND FILTERS			
	F1801, F1901, F2101, F2151, F2201		ATF1194
	F2601, F2602, F2701, F2702		ATF1194
	F2801, F2802, F3201		ATF1194
	L551 (10μH)		ATH1069
	L601, L602 (22μH)		ATH1083
	L3201		LCTA1R0J2520
	L3202		LCTA1R2J2520
	L2252		LCTA8R2J2520
SWITCHES AND RELAYS			
	S2301		ASG9003
	S2303		ASH1047
CAPACITORS			
	C551, C552, C601, C602 (82μF/16V)		ACH1326
	C570, C571, C620-C622 (150μF/6.3V)		ACH1327
	C562, C612		CCSQSL102J50
	C2001, C2008-C2014, C2309-C2313		CCSRCH101J50
	C2315, C561, C563, C611, C613		CCSRCH101J50
	C3211		CCSRCH121J50
	C2256-C2258, C2329-C2335		CCSRCH220J50
	C559, C609		CCSRCH331J50
	C1916		CCSRCH390J50
	C2251, C560, C610		CCSRCH470J50
	C557, C607		CCSRCH560J50
	C2307, C2308		CCSRCH7R0D50
	C3219, C3220		CCSRCJ3R0C50
	C3107, C3108, C3217		CEHV100M16
	C3106, C566, C568, C616, C618		CEHV101M16
	C1801, C1802, C1901, C1902		CEHV101M6R3
	C1963-C1966, C2002, C2003		CEHV101M6R3

PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
	C2101, C2102, C2151, C2152		CEHV101M6R3
	C2201, C2202, C2264, C2273, C2274		CEHV101M6R3
	C2276, C2316, C2317, C2601, C2605		CEHV101M6R3
	C2607, C2609, C2611, C2613, C2701		CEHV101M6R3
	C2705, C2707, C2709, C2711, C2713		CEHV101M6R3
	C2801, C2805, C2807, C2809, C2811		CEHV101M6R3
	C2813, C2911, C2912, C3011, C3012		CEHV101M6R3
	C3104, C3201, C3203, C3205		CEHV101M6R3
	C2255		CEHV1R0M50
	C3401		CEHV470M10
	C2303, C3210, C554, C604		CEHV4R7M35
	C2252		CFHSQ103J16
	C3109, C553, C555, C556, C558		CKSQYB104K25
	C564, C565, C567, C569, C603		CKSQYB104K25
	C605, C606, C608, C614, C615		CKSQYB104K25
	C617, C619		CKSQYB104K25
	C2019, C2020, C2314, C2344, C2345		CKSRYB102K50
	C2018, C2021, C2254, C2338, C2343		CKSRYB103K50
	C2346		CKSRYB103K50
	C2017, C2301, C2302, C2304–C2306		CKSRYF103Z50
	C2323, C2324		CKSRYF103Z50
	C1803–C1818, C1903–C1915		CKSRYF104Z16
	C1951–C1962, C1967–C1978		CKSRYF104Z16
	C2004–C2007, C2103–C2112		CKSRYF104Z16
	C2153–C2164, C2203–C2208, C2253		CKSRYF104Z16
	C2269, C2272, C2275, C2277, C2278		CKSRYF104Z16
	C2287–C2289, C2318–C2322		CKSRYF104Z16
	C2325–C2328, C2336, C2337		CKSRYF104Z16
	C2602–C2604, C2606, C2608, C2610		CKSRYF104Z16
	C2612, C2614–C2645, C2702–C2704		CKSRYF104Z16
	C2706, C2708, C2710, C2712		CKSRYF104Z16
	C2714–C2745, C2802–C2804, C2806		CKSRYF104Z16
	C2808, C2810, C2812, C2814–C2845		CKSRYF104Z16
	C2901–C2910, C3001–C3010		CKSRYF104Z16
	C3101–C3103, C3105, C3202, C3204		CKSRYF104Z16
	C3206, C3209, C3213, C3214, C3218		CKSRYF104Z16
	C3301–C3305, C3307–C3309		CKSRYF104Z16
	C3311–C3313, C3316, C3402		CKSRYF104Z16
	C3413–C3415		CKSRYF104Z16

RESISTORS

R562 (0.022Ω, 1W) R612 (0.015Ω, 2W) R2901–R2920, R3001–R3020 R1857, R1858, R2255, R2263 R2265–R2267, R2294, R2295	ACN1137 ACN1143 RAB4C0R0J RAB4C220J RAB4C220J
R3360, R3361, R3369, R3370 R2354 R1855, R1856, R2001, R2002 R2010, R2011, R2015, R2027, R2031 R2203–R2226, R2258, R2272, R2273	RAB4C220J RAB4C222J RAB4C470J RAB4C470J RAB4C470J
R2315, R2318, R2319, R2333–R2335 R2338, R2352, R2353, R3101–R3108 R3328–R3355	RAB4C470J RAB4C470J RAB4C470J

Mark	No.	Description	Part No.
	R2012, R2013, R2308–R2311, R2313 R2324, R2337, R2340, R2355		RAB4C472J RAB4C472J
	R3373–R3376, R3379–R3382 R602 R2251 R3247 R610		RAB4C472J RN1/10SE2002D RN1/16SE1001D RS1/10S100J RS1/10S102J
	R553, R561, R603, R611 R555, R557, R605, R607 R560 R551, R601 R554, R556, R558, R559, R604		RS1/10S103J RS1/10S122J RS1/10S222J RS1/10S3302F RS1/10S472J
	R606, R608, R609 R552 VR552, VR602 (10kΩ) Other Resistors		RS1/10S472J RS1/10S8201F ACP1092 RS1/16S□□□J

OTHERS

3417 CN3251–CN3255, CN3274–CN3279 K1801, K2001–K2021, K2101–K2107 K2151–K2157, K2201–K2207 K2252, K2253, K2255, K2262, K2264	PCB SPACER HEATSINK FOR IC HEATSINK L FOR IC DEDITAL SHIELD B	AEC1832 AKM1180 AKX9002 AKX9002 AKX9002
K2301–K2304, K3401–K3415 K551–K556, K601–K604 2101, 2601, 2701, 2801	 HEATSINK FOR IC HEATSINK L FOR IC DEDITAL SHIELD B	AKX9002 AKX9002 ANH1574
1801, 2151 2001	 DEDITAL SHIELD B	ANH1576 ANK1628
X3202 (50.00MHz) X2301 (20.0MHz) X3201 (62.00MHz) CN3256, CN3273 CN3271, CN3402	CONNECTOR CONNECTOR	ASS1146 ASS1147 ASS1148 B11B–PH–SM3 B12B–PH–SM3
CN551 CN2301, CN3405 CN3403	CONNECTOR CONNECTOR	B13B–PH–SM3 B8B–PH–SM3 DKC1006

X DRIVE ASSY

SEMICONDUCTORS

IC3402, IC3405 IC3404 IC3406 IC3403 Q3403, Q3405, Q3406	STK795–450 TC74AC04F TC74AC08F TC74AC11F 2SA1162
Q3401, Q3402, Q3407 Q3404 D3401 D3408 D3403	2SC2712 2SJ281 1SS226 1SS355 D1FL20U (S)
D3404–D3407 D3402	D1FL40 UDZ15B

Mark	No.	Description	Part No.
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COILS AND FILTERS

L3404, L3409 (100μH)	ATH1064
L3401, L3402, L3405, L3406 (47μH)	ATH1080
L3403 (10μH)	ATH1090
L3407, L3408, L3410, L3411	ATH1099

CAPACITORS

C3414, C3423 (4.7 μF/250V)	ACE1126
C3404 (100000p)	ACG1088
C3406, C3416, C3426, C3427 (390 μF/200V)	ACH1331
C3403	CCSRCH101J50
C3405	CEHAT470M2D
C3413, C3421	CEHV101M16
C3401, C3408, C3411, C3419	CEHV470M16
C3424, C3425	CEHV470M16
C3402, C3409, C3410, C3412, C3415	CKSRYB103K50
C3418, C3420, C3422	CKSRYB103K50

RESISTORS

R3435	RAB4C470J
R3436	RAB4C472J
R3410, R3411	RD1/2LMF301J
R3404, R3406	RS1/10S101J
R3407	RS1/10S103J
R3401	RS1/10S222J
R3416, R3421, R3423, R3429	RS1/10S394J
R3445–R3448	RS1/10S564J
R3438	RS1/2S2R2J
Other Resistors	RS1/16S □□□J

OTHERS

KN3401–KN3403 GROUND PLATE	ANK–142
CN3405 CONNECTOR	B11B–PH–SM3
CN3401 4P–TOP POST (VH)	B4P–VH
CN3402 PH CONNECTOR (SMT)	B5B–PH–SM3
CN3403, CN3404, CN3406, CN3407	CKS1963

CABLE ASSY

SEMICONDUCTORS

IC1001, IC1002	74VHCT541AMTC
IC1003–IC1006	74VHCT574AMTC
IC1008	ICP–S1.0
IC1009, IC1010	TC74AC04F
IC1007	TND301S
Q1007	2SA1162
Q1004	2SJ412
Q1001, Q1005, Q1006	2SJ508
Q1002, Q1003	2SK2201
D1007, D1010, D1013, D1018	1SS355
D1004, D1005, D1014	D1FL20U (S)
D1003, D1006, D1008, D1009, D1011	UDZ15B
D1017	UDZS5.6B

Mark	No.	Description	Part No.
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COILS AND FILTERS

L1003 (100μH)	ATH1074
L1102 (22μH)	ATH1081
L1004 (0.3μH)	ATH1103

CAPACITORS

C1038 (0.47 μF/100V)	ACE1153
C1039, C1043 (33μF/100V)	ACH1339
C1036	CCSRCH181J50
C1020–C1033	CCSRCH560J50
C1103	CEHV101M16
C1012, C1037, C1040, C1105, C1106	CEHV470M16
C1041, C1042	CKSRYB222K50
C1001–C1006, C1011, C1015–C1017	CKSRYF104Z16
C1104	CKSRYF104Z16
C1045	CKSRYF223Z50
C1044, C1046, C1047	CKSRYF473Z50

RESISTORS

R1001–R1012, R1020, R1045–R1055	RAB4C470J
R1019	RS1/10S102J
R1013, R1039	RS1/10S104J
R1081	RS1/10S154J
R1014, R1017	RS1/10S471J
R1018	RS1/10S472J
R1077, R1079	RS1/10S473J
Other Resistors	RS1/16S Å† Å† Å† J

OTHERS

CN1102, CN1104	AKM1161
CN1105	AKM1180
KN1002	ANK1664
CN1106 3P PH CONNECTOR	B3B–PH–SM3

U–COM ASSY

SEMICONDUCTORS

IC3601	24LC64 (I) SN
IC3953, IC3954	M5223AFP
IC3611	MC145407F
IC3602	PD5136
IC3951, IC3952, IC3956	PQ20VZ1U
IC3603	PST9146N
IC3610	TC74HC00AF
IC3612	TC74VHC02FT
IC3607	UPC78L05T
Q3606–Q3613, Q3615–Q3617	2SA1162
Q3951, Q3952, Q3960, Q3965, Q3966	2SA1162
Q3969, Q3972	2SA1162
Q3601–Q3605, Q3614, Q3619	2SC2712
Q3624–Q3627, Q3953, Q3954	2SC2712
Q3957–Q3959, Q3961, Q3962	2SC2712
Q3967, Q3968, Q3970, Q3971	2SC2712
Q3618	2SJ461
D3601, D3602, D3951–D3953, D3959	1SS355

PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
	D3616, D3625–D3632 D3604		RD15MB RD3.0MB
	D3954		UDZS5.1B
CAPACITORS			
	C3624		CCSRCH101J50
	C3645, C3648, C3653		CCSRCH220J50
	C3623		CCSRCH470J50
	C3646, C3647		CCSRSL221J50
	C3664, C3666, C3669, C3670, C3951		CEAT100M50
	C3958, C3963		CEAT100M50
	C3631		CEAT101M16
	C3617, C3628, C3634, C3643		CEAT101M6R3
	C3613		CEAT1R0M50
	C3614		CEAT220M50
	C3610		CEAT2R2M50
	C3656		CEAT470M10
	C3622, C3668, C3953, C3955, C3956		CEAT470M16
	C3969, C3970		CEAT470M16
	C3641		CEATR47M50
	C3603		CFHSP104J16
	C3615, C3626, C3627, C3652		CKSRYB102K50
	C3601, C3604–C3606, C3609, C3616		CKSRYB103K50
	C3619, C3621, C3629, C3630, C3633		CKSRYB103K50
	C3635, C3642, C3655, C3665, C3667		CKSRYB103K50
	C3671, C3952, C3957		CKSRYB103K50
	C3954, C3964		CKSRYB104K16
	C3607, C3608, C3611, C3625		CKSRYB472K50
RESISTORS			
	R3821, R3822		RAB4C101J
	R3827		RAB4C102J
	R3761		RD1/2MMF100J
	R3757		RD1/2MMF3R9J
	R3951, R3957, R3958, R3960, R3975		RN1/10SE1001D
	R3989, R4020, R4022–R4024		RN1/10SE1001D
	R3953, R3984		RN1/10SE1801D
	R3974		RN1/10SE3001D
	R3959, R4021, R4038		RN1/10SE3601D
	R3955, R3996		RN1/10SE3901D
	R3967, R3985		RN1/10SE4701D
	R3952, R3968		RN1/10SE5601D
	R3973		RN1/10SE6201D
	R3964, R3972, R3995, R3997, R4035		RN1/10SE6801D
	R3601		RS1/10S225J
	R4073, R4074		RS1/10S335J
	R3792		RS1MMFR47J
	R3759, R3760		RS2MMF150J
	Other Resistors		RS1/16S□□□J
OTHERS			
	K3601–K3603, K3951–K3954, K3956		AKX9002
	X3601(9.8304MHz)		ASS1155
	X3602		ASS9005
	CN3602, CN3605, CN3914		B10B–PH–SM3
	CONNECTOR		

Mark	No.	Description	Part No.
	CN3606, CN3612, CN3911		B11B–PH–SM3
	CONNECTOR		
	CN3608	CONNECTOR	B12B–PH–SM3
	CN3912	CONNECTOR	B13B–PH–SM3
	CN3921	4P CONNECTOR	B4PS–VH
	CN3607, CN3920, CN3929		B6B–PH–SM3
	CONNECTOR		
	CN3930	6P CONNECTOR	B6PS–VH
	CN3603	CONNECTOR	B7B–PH–SM3
	CN3610, CN3916	CONNECTOR	B8B–PH–SM3
	CN3913	8P–VH SIDE–CONNECTOR	B8PS–VH
	CN3609, CN3611	CONNECTOR	B9B–PH–SM3
SIDE SW ASSY			
SEMICONDUCTORS			
	D3941		AEL1170
SWITCHES AND RELAYS			
	S3941–S3951		ASG7013
RESISTORS			
	All Resistors		RS1/16S□□□J
SENSOR (A) ASSY			
SEMICONDUCTORS			
	IC4101		LM50CIM3
CAPACITORS			
	C4101		CKSRYB103K50
	C4102		CKSRYF104Z16
RESISTORS			
	Other Resistors		RS1/16S□□□J
OTHERS			
	CN4101	CONNECTOR	B6B–PH–SM3
FAN CABLE (A) ASSY			
CAPACITORS			
	C4251		CEV470M16
AUDIO AMP ASSY			
SEMICONDUCTORS			
	IC4582		AN1431M
	IC4584, IC4585		ICP–N50
	IC4502		LA4485
	IC4581		LT1170CQ
	IC4501		TA7630P

Mark	No.	Description	Part No.
	IC4583		TLP181 (GR)
	Q4508		2SA1037K
	Q4502, Q4507, Q4510, Q4512–Q4515		2SC2412K
	Q4581		2SC2412K
	Q4506		DTC124EK
	D4504		1SS181
	D4508		1SS184
	D4502, D4503, D4505–D4507, D4509		1SS226
	D4501		1SS355
	D4583, D4584		D1FL20U (S)
	D4582		U1ZB22
	D4581		UDZS5.1B

COILS AND FILTERS

L4501, L4502 (5.3 μ H)	ATH–059
L4581(10 μ H)	ATH1078
L4503, L4504 (4.7 μ H)	ATH9003
T4581	ATK1141

CAPACITORS

C4585, C4588	CCSRCH102J50
C4509, C4510	CCSRCH221J50
C4526–C4529, C4537, C4538, C4543	CEAT100M50
C4531, C4539	CEAT101M16
C4532, C4536, C4544, C4545	CEAT1R0M50
C4535	CEAT221M16
C4524, C4525	CEAT2R2M50
C4547	CEAT470M16
C4534	CEAT471M16
C4520, C4522, C4546	CEAT471M25
C4581–C4583	CEHAT471M25
C4502, C4504	CFTLA154J50
C4587	CKSRYB103K50
C4584, C4586, C4589, C4591, C4592	CKSRYB104K16
C4540, C4590	CKSRYB223K50
C4518, C4542	CKSRYB392K50
C4501, C4503	CKSRYB562K50
C4505–C4508, C4511–C4513, C4516	CKSRYF103Z50
C4523, C4548	CKSRYF103Z50

RESISTORS

R4537, R4540	RD1/2MMF152J
R4563	RD1/2MMF3R9J
R4583	RS1/16S1002F
R4586	RS1/16S2701F
R4589	RS1/16S3601F
Other Resistors	RS1/16S □□□ J

OTHERS

4501	HEAT SINK	ANH1559
CN4503	CONNECTOR	B13B–PH–SM3
4502	SCREW	BMZ30P060FZK

Mark	No.	Description	Part No.
CONTROL ASSY			
SEMICONDUCTORS			
	IC4701		UPC4570G2
	Q5742, Q5746, Q5748		2SA1162
	Q5741, Q5743–Q5745, Q5747		2SC2712
	Q4701–Q4703		2SC4081
	D4701–D4704, D4706, D5741–D5745		1SS355
COILS AND FILTERS			
	F4701, F4702		ATF9017
	L4701		ATH1073
	L5741		LCTA221J3225

CAPACITORS

C4716	CCSRSL221J50
C4704, C4708, C4711, C4712	CEAT100M50
C4702, C4706, C4713, C4714	CEAT1R0M50
C4709, C4720, C5742	CEAT470M16
C4703, C4707, C4710	CKSRYB103K50
C4717, C4719	CKSRYB332K50
C4701, C4705, C4715, C5741	CKSRYB472K50
C4718	CKSRYF473Z50

RESISTORS

R4730, R4731	RD1/2MMF100J
Other Resistors	RS1/16S □□□ J

OTHERS

CN4702	SPEAKER TERMINAL 2–P	AKE1041
CN4701	JACK	AKN1069
CN5741, CN5742	JACK	AKN1070
CN5745	6P MINIDIN SOCKET	AKP1183
CN5743	9PD–SUB SOCKET	AKP1201
CN5744	6P MINIDIN SOCKET	AKP1204
CN4704	CONNECTOR	B13B–PH–SM3
CN4703	CONNECTOR	B6B–PH–SM3
CN5747	CONNECTOR	B8B–PH–SM3
CN5749	CONNECTOR	B9B–PH–SM3
5741, 5742	SCREW TERMINAL	VNE1949

SP TERMINAL (L) ASSY

COILS AND FILTERS

L4751, L4752	ATH1073
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CAPACITORS

C4752	CCSRSL221J50
C4753, C4755	CKSRYB332K50
C4751	CKSRYB472K50
C4754	CKSRYF473Z50

RESISTORS

R4751, R4752	RD1/2MMF100J
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OTHERS

CN4752	SPEAKER TERMINAL 2–P	AKE1041
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PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
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MAIN POWER ASSY

SEMICONDUCTORS

	IC113, IC202, IC302, IC352	AN1431M
	IC402-IC404	AN1431M
	IC405	M5223AFP
	IC131	MC33262P
	IC111	MIP0253SP
⚠	IC112, IC181, IC201, IC301, IC351	ON3171-R (LF2)
⚠	IC401	ON3171-R (LF2)
	Q132, Q205, Q207, Q404	2SA1037K
	Q406, Q407, Q420, Q421, Q424	2SA1037K
	Q428, Q430, Q432, Q434, Q437	2SA1037K
	Q111, Q133, Q134, Q183	2SC2412K
	Q187, Q188, Q203, Q206	2SC2412K
	Q212, Q213, Q304, Q402, Q405	2SC2412K
	Q408, Q415-Q419, Q422	2SC2412K
	Q425-Q427, Q429, Q431, Q433	2SC2412K
	Q435, Q439-Q441, Q454	2SC2412K
	Q185, Q186, Q204, Q303, Q352	2SD1835
	Q401	2SD1835
	Q354	2SK2312
	Q201, Q301, Q351	2SK2847
	Q131, Q136	2SK2917
	Q202, Q302	FK7KM-12
	D151, D184, D187-D192, D196	1SS355
	D206, D209, D210, D218	1SS355
	D237, D238, D306, D357	1SS355
	D401, D402, D405, D406, D408	1SS355
	D410-D414, D421, D427, D430	1SS355
	D432-D434, D438, D440, D442	1SS355
	D444-D447, D449, D452, D456	1SS355
	D457, D459-D463	1SS355
	D250-D252	1SS376
	D112	1Z180
	D305, D355, D407, D437, D439	AEL1065
	D441, D443	AEL1065
	D205	AEL1152
	D116, D117, D133, D202, D302	D1FL20U (S)
	D373	D1FL20U (S)
	D115	D1FS4
	D132	D25XB60
	D203, D303, D353, D354	ERB37-10
	D131, D213	FCF16A60
	D111	S1WB (A) 60B
	D113	S2L60
	D212	SF10JZ47
	D118, D216	UDZ12B
	D217, D307	UDZ27B
	D454	UDZ3.6B
	D148, D149, D219	UDZ30B
	D215	UDZ36B
	D185, D208, D429	UDZS10B

Mark	No.	Description	Part No.
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	D138, D146, D150, D183, D186	UDZS5.6B
	D193-D195, D207, D239, D422	UDZS5.6B
	D428, D431, D451, D453, D455	UDZS5.6B
	D458	UDZS5.6B
	D147	UDZS6.8B
	D352	YG802C04R
	D356	YG802C09

COILS AND FILTERS

⚠	L101, L102 (4.4mH)	ATF1193
⚠	L133 (217μH)	ATH1070
	L351 (8.1mH)	ATH1071
⚠	T201, T202	ATK1137
⚠	T301	ATK1138
⚠	T351	ATK1139
⚠	T111	ATK1142
	L203, L303, L353, L354	ATX1008
	L131, L132, L202, L302, L352	ATX1021

SWITCHES AND RELAYS

	S111, S301	ASH1047
⚠	RY101, RY131	ASR1048

CAPACITORS

⚠	C102, C104 (0.22μF/250V)	ACE1125
	C133, C156, C157 (1.0μF/400V)	ACE1150
	C201, C301, C351 (0.015μF/800V)	ACE1152
⚠	C138-C141 (0.01μF/250V)	ACG-001
	C103 (2200p/2kV)	ACG-039
	C107 (2200p/2kV)	ACG1046
⚠	C211, C212 (4700p/250V)	ACG1064
⚠	C311, C312 (3300p/250V)	ACG1065
⚠	C361, C362 (1000p/250V)	ACG1066
	C137, C205, C206, C208 (100p/2kV)	ACG1086
	C305, C306, C308, C355, C356 (100p/2kV)	ACG1086
	C358, C360, C372 (100p/2kV)	ACG1086
	C202, C203, C226 (1000μF/200V)	ACH1324
	C131, C152, C153 (270μF/420V)	ACH1325
	C111 (47μF/400V)	ACH1328
	C352-C354, C359, C373, C374 (3300μF/25V)	ACH1329
	C302 (1000μF/100V)	ACH1340
	C185	CCSQSL102J50
	C184	CCSRCH101J50
	C422	CEANP4R7M50
	C120	CEHAT100M50
	C406	CEHAT101M10
	C204, C304, C402	CEHAT101M25
	C146	CEHAT101M50
	C117, C409	CEHAT220M50
	C227, C405, C415, C424	CEHAT221M10
	C370	CEHAT332M16
	C119, C147, C182, C183, C313	CEHAT470M25
	C403, C404, C408, C412	CEHAT470M25
	C418-C421, C425	CEHAT470M25

Mark	No.	Description	Part No.
	C115		CEHAT471M16
	C116, C214		CEHAT471M25
	C414		CEHAT4R7M50
	C143		CFTLA104J50
	C112, C118		CKSQYB104K25

⚠	C451	CKSQYB105K10
	C207, C213, C307	CQMA102J50
	C144, C149, C150, C155	CQMA103J50
	C215–C217, C410	CQMA103J50
	C357	CQMA104J50

C416 CQMA123J50

RESISTORS

R131, R132, R167 (0.1Ω, 5W)	ACN1138
R133, R134, R168 (2.2Ω, 7W)	ACN1139
R226–R228, R262–R264 (1.2Ω, 7W)	ACN1141
R203–R205, R261, R303–R305	ACN1145
R345 (47kΩ, 3W)	ACN1145

R429	RD1/2LMF220J
R273	RN1/10SE1001D
R269	RN1/10SE1002D
R268, R490	RN1/10SE1202D
R210, R270	RN1/10SE2001D

R348	RN1/10SE2002D
R306	RN1/10SE3002D
R356, R493	RN1/10SE3901D
R265–R267	RN1/10SE5602D
R444	RN1/10SE6801D

R440	RN1/10SE8202D
R357, R464	RS1/10S1001F
R155	RS1/10S1102F
R115, R116, R310	RS1/10S1201F
R198, R213	RS1/10S1502F

R307	RS1/10S3301F
R166	RS1/10S3603F
R206	RS1/10S4702F
R207, R274, R465, R491	RS1/10S5101F
R142	RS1/10S6201F

R461	RS1/10S6800F
R441	RS1/10S6801F
R462	RS1/10S9101F
R406, R500	RS1/2S102J
R201, R202, R301, R302	RS1/2S124J

R189, R197, R351, R352	RS1/2S274J
R214	RS1/2S394J
R137	RS1/2S473J
R140	RS1/2S474J
R138	RS1/2S563J

R183, R212	RS1/2S624J
R186, R194, R199	RS1/2S684J
R223	RS1/2S821J
R154	RS1/2S824J
R315	RS1MMF331J

Mark	No.	Description	Part No.
	R312, R363		RS1MMFR22J
	VR112, VR357 R=1K,		ACP1089
	VR402 R=2.2K		ACP1090
	VR132 R=220K		ACP1096
	VR201		VRTS6VS104

VR301	VRTS6VS473
Other Resistors	RS1/10S <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> J

OTHERS

CN202	3P PLUG	53290-0310
CN302	4P PLUG	53290-0410
CN201, CN203, CN301, CN351, CN352		53290-0510

	5P PLUG	
CN303	6P PLUG	53290-0610
CN365	7P PLUG	53290-0710
H101, H102	FUSE HOLDER	AKR1007
K111-K113, K131, K132		AKX9002
K201, K202, K301, K302		AKX9002

K351-K356, K401, K404-K409	AKX9002
1 HEAT SINK S	ANH1560
2 HEAT SINK L1	ANH1561
3 HEAT SINK L2	ANH1562
4 HEAT SINK L3	ANH1563

KN201	GROUND PLATE	ANK-142
CN354	CONNECTOR	B10B-PH-SM3
CN355	CONNECTOR	B11B-PH-SM3
CN306	CONNECTOR	B12B-PH-SM3
CN101, CN131	CONNECTOR	B2P3-VH

CN111	CONNECTOR	B7B-PH-SM3
CN205	8P-VH CONNECTOR	B8P-VH
1	SCREW	BBZ30P100FMC

RCC CONTROL (A) ASSY

SEMICONDUCTORS

IC203	M5233FP
Q451	2SC2412K
Q208	2SD1835
D220—D223, D225, D227	1SS355
D229—D231, D233, D471, D472	1SS355

D232	D1FL20U (S)
D224, D226	RB751V-40
D228	UDZ12B
D234	UDZ27B

CAPACITORS

C221 (2.2μF/25V)	ACH1278
C222	CEHAT100M50
C223	CEHV4R7M35
C220	CKSRYB103K50
C218	CQMA103J50

C219 CQMA222J50

RESISTORS

R232	RD1/2MMF2R2J
R241	BN1/10SE2702D

PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
	R239		RS1/10S6801F
	R238		RS1/10S5101F
	R242		RS1/10S8201F
	R234		RS1/2S151J
	R235		RS1/2S471J
	R236		RS1/2S472J
	R254		RS1LMF3R3J
	Other Resistors		RS1/10S □□□ J

OTHERS

CN207	3P SOCKET	52418-0310
CN206	5P SOCKET	52418-0510

RCC CONTROL (B) ASSY

SEMICONDUCTORS

IC303	M5233FP
Q452	2SC2412K
Q305	2SD1835
D308-D311, D313, D315	1SS355
D317-D319, D321, D473, D474	1SS355
D320	D1FL20U (S)
D312, D314	RB751V-40
D316	UDZ12B
D322	UDZ27B

CAPACITORS

C317 (2.2μF/25V)	ACH1278
C318	CEHAT4R7M50
C319	CEHV4R7M35
C316	CKSRYB103K50
C314	CQMA103J50
C325	CQMA222J50

RESISTORS

R316	RD1/2MMF8R2J
R325	RN1/10SE2702D
R322	RS1/10S1102F
R323	RS1/10S6801F
R326	RS1/10S8201F

R318	RS1/2S151J
R319	RS1/2S471J
R320	RS1/2S472J
R338	RS1MMF1R0J
Other Resistors	RS1/10S □□□ J

OTHERS

CN308	4P SOCKET	52418-0410
CN307	5P SOCKET	52418-0510

RCC CONTROL (C) ASSY

SEMICONDUCTORS

IC353	M5233FP
Q453	2SC2412K

Mark	No.	Description	Part No.
	Q353		2SD1835
	D358-D361, D363, D365		1SS355
	D367-D369, D371, D475, D476		1SS355
	D370		D1FL20U (S)
	D362, D364		RB751V-40
	D366		UDZ12B
	D372		UDZ27B

CAPACITORS

C367 (2.2μF/25V)	ACH1278
C368	CEHAT4R7M50
C369	CEHV4R7M35
C365	CKSRYB103K50
C363	CQMA103J50
C364	CQMA822J50

RESISTORS

R364	RD1/2MMF8R2J
R373	RN1/10SE2702D
R370	RS1/10S1502F
R376	RS1/10S6202F
R371	RS1/10S6801F

R374	RS1/10S8201F
R366	RS1/2S151J
R367	RS1/2S471J
R368	RS1/2S472J
R386	RS1MMF1R0J

Other Resistors	RS1/10S □□□ J
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OTHERS

CN361, CN362	5P SOCKET	52418-0510
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OTL CONTROL (A) ASSY

SEMICONDUCTORS

IC204	TC4538BF
Q210	2SA1037K
Q209, Q211	2SC2412K
D235, D240, D241	1SS355

CAPACITORS

C225	CCSRCH221J50
C224	CKSRYB102K50

RESISTORS

R260	RS1/2S100J
Other Resistors	RS1/10S □□□ J

OTHERS

CN208	5P SOCKET	52418-0510
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Mark	No.	Description	Part No.
OTL CONTROL (B) ASSY			
SEMICONDUCTORS			
	IC304		TC4538BF
	Q307		2SA1037K
	Q306, Q308		2SC2412K
	D323–D325		1SS355
CAPACITORS			
	C321		CCSRCH221J50
	C320		CKSRYB102K50
RESISTORS			
	Other Resistors		RS1/10S □□□J
OTHERS			
	CN309	6P SOCKET	52418–0610

OTL CONTROL (C) ASSY			
SEMICONDUCTORS			
	IC354		TC4538BF
	Q357		2SA1037K
	Q355, Q356		2SC2412K
	D374–D376		1SS355
CAPACITORS			
	C376		CCSRCH331J50
	C375		CKSRYB102K50
RESISTORS			
	Other Resistors		RS1/10S □□□J
OTHERS			
	CN366	7P SOCKET	52418–0710

X CABLE U ASSY			
OTHERS			
	CN5651, CN5652		CKS1963

X CABLE D ASSY			
OTHERS			
	CN5671, CN5672		CKS1963

Y DRIVE ASSY			
SEMICONDUCTORS			
	IC705, IC762, IC854		AN1431M
	IC3602, IC3605, IC3607, IC3609, IC3611		HCPL–M611
	IC3703, IC3710		HCPL–M611
	IC701, IC750		MIP0223SC
	IC850		MIP301

Mark	No.	Description	Part No.
	IC3613		PDT043A
	IC3702, IC3707		STK795–450
	IC3603, IC3608, IC3615		TC74ACT04F
	IC3601, IC3701		TC74ACT541FT
	IC3612		TC74HC04AF
	IC3600, IC3606, IC3614		TC74VHC541FT
	IC700, IC702, IC703, IC751–IC753		TLP181 (GR)
	IC802, IC803, IC851–IC853		TLP181 (GR)
	IC3704, IC3706, IC3708, IC3709		TND301S
	IC3712, IC3713		TND301S
	IC3700, IC3711		UPC78L05T
	Q3700, Q3701, Q750, Q752, Q800		2SA1162
	Q802		2SA1162
	Q3702, Q3704, Q700, Q751		2SC2712
	Q753, Q754, Q801, Q803, Q804		2SC2712
	Q3703		2SJ281
	Q3719		2SJ449
	Q3721		2SK2355
	Q3705, Q3706, Q3708–Q3714, Q3716		FS20VS–5
	D3715, D3716		1SS226
	D3601–D3628, D3701, D3722		1SS352
	D709, D710, D758, D761, D811		1SS355
	D814, D853, D857		1SS355
	D701, D750		1Z330
	D3700, D3709, D3713, D3717		D1FL20U (S)
	D703, D704, D752, D754, D851		D1FL20U (S)
	D890		D1FL20U (S)
	D3702, D3703, D3708, D3710, D3712		D1FL40
	D700, D753		D1FL40
	D850		D1FS
	D802		EC8FS6
	D760, D813		RD110P
	D757, D759		RD12MB
	D858		RD15MB
	D706, D707, D755, D756		RD33MB
	D806–D810		RD33MB
	D708		RD4.7MB
	D805		RD47MB
	D852		RD6.8MB
	D702, D751		S2L60
	D3714, D3720		UDZ12B

COILS AND FILTERS			
	L3701, L3702, L3704, L3710 (100μH)		ATH1064
	L3709 (100μH)		ATH1079
	L3703, L3711 (47μH)		ATH1080
	L3600–L3602, L3700 (10μH)		ATH1090
	L3705–L3708		ATH1099
	T700		ATK1132
	T750		ATK1143

TRANSFORMERS			
	T850		ATK1140

PDP-502MX, PDP-502MXE

Mark	No.	Description	Part No.
CAPACITORS			
	C3716, C3727 (4.7μF/250V)		ACE1126
	C3737, C3739 (100000p)		ACG1088
	C3741–C3744		ACH1331
	C3600, C3706, C3711, C3715, C3724 (220μF/35V)		ACH1332
	C703		CEHAT101M2A
	C755		CEHAT101M2C
	C701, C750		CEHAT220M2D
	C890		CEHAT221M25
	C3618, C3619		CEHAT330M2C
	C3738, C805		CEHAT470M2E
	C3732		CEHAT471M2A
	C851		CEHAT471M35
	C3701, C3702, C3710, C3718, C3723		CEHV101M16
	C3725, C3731, C704, C752, C754		CEHV101M16
	C858		CEHV101M16
	C712, C761, C763, C812		CEHV331M16
	C854, C855		CEHV331M16
	C3612, C3700, C3708, C3730, C3735		CEHV470M16
	C705, C707, C758, C762, C810		CEHV470M16
	C813, C856		CEHV470M16
	C702, C706, C708–C711, C713		CKSQYB104K25
	C751, C753, C756, C757		CKSQYB104K25
	C759, C760, C806, C809		CKSQYB104K25
	C852, C853, C857, C859–C862		CKSQYB104K25
	C700		CKSRYB102K50
	C3603, C3607, C3611, C3615, C3616		CKSRYB103K50
	C850		CKSRYB103K50
	C3601, C3606, C3613, C3617, C3705		CKSRYF103Z50
	C3709, C3712, C3719, C3722, C3726		CKSRYF103Z50
	C3728, C3736		CKSRYF103Z50
	C3602, C3605, C3608, C3609, C3614		CKSRYF104Z16
	C3707, C3729		CKSRYF104Z16

RESISTORS

R702, R707 (15kΩ, 0.125W)	ACN1142
R3793–R3796	RAB4C100J
R3602, R3603, R3614, R3619, R3636	RAB4C470J
R3642, R3645, R3649, R3654, R3655	RAB4C470J
R3610, R3652, R3656	RAB4C472J
R3776, R3777	RD1/2LMF301J
R3715, R3716, R3749, R3750, R855	RS1/10S0R0J
R859	RS1/10S0R0J
R3720, R3732, R3760, R3765, R704	RS1/10S100J
R750, R850	RS1/10S100J
R714, R857, R861	RS1/10S101J
R758, R765, R771, R808, R817	RS1/10S102J
R823	RS1/10S102J
R705, R706, R717, R761, R770	RS1/10S103J
R772, R854	RS1/10S103J
R824	RS1/10S104J
R713, R773, R853, R858	RS1/10S1201F
R753, R764, R807, R822	RS1/10S122J
R751, R756, R757, R762	RS1/10S1302F
R851, R852	RS1/10S151J

Mark	No.	Description	Part No.
	R760, R815		RS1/10S152J
	R767, R825		RS1/10S153J
	R701, R754, R755		RS1/10S221J
	R719, R721, R722, R856, R860		RS1/10S272J
	R712, R720		RS1/10S332J
	R768, R826		RS1/10S392J
	R3721, R3733, R3761, R3762		RS1/10S394J
	R700		RS1/10S471J
	R711, R716, R718, R759, R769		RS1/10S472J
	R814, R827		RS1/10S472J
	R766		RS1/10S563J
	R3717, R3718, R3724, R3725		RS1/10S564J
	R3711		RS1/2S102J
	R3700		RS1/2S2R2J
	R709		RS1LMF103J
	R3784		RS1LMF5R6J
	R763		RS2LMF153J
	R710		RS2LMF222J
	R828		RS2LMF223J
	R3774		RS3LMF1R0J
	VR851 R=1K, W=0.20		ACP1089
	VR856		VRTS6VS222
	VR700		VRTS6VS472
	Other Resistors		RS1/16S□□□J

OTHERS

CN3601, CN3602, CN3605	AKM1180
K3600–K3608, K3700–K3707, K3709	AKX9002
K700–K707, K750–K754, K800	AKX9002
K802–K804, K850–K857	AKX9002
KN3700 GROUND PLATE	ANK–142
CN800 CONNECTOR	B10B–PH–SM3
CN3700 6P–VH CONNECTOR	B6P–VH
CN700 CONNECTOR	B7B–PH–SM3
CN3701 CONNECTOR	B8B–PH–SM3

SCAN (A) ASSY

SEMICONDUCTORS

IC3801–IC3806	UPD16344GF–3BA
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CAPACITORS

C3801, C3802, C3811, C3812	ACG1088
C3821, C3822, C3832, C3833	ACG1088
C3842, C3843, C3852, C3853 (100000p)	ACG1088
C3813, C3827, C3838, C3845, C3855	CCSRCH121J50
C3804, C3805	CCSRCH151J50
C3803, C3806–C3809, C3814–C3819	CCSRCH390J50
C3823–C3826, C3828, C3830	CCSRCH390J50
C3834–C3837, C3839, C3840, C3844	CCSRCH390J50
C3846–C3850, C3854, C3856–C3861	CCSRCH390J50
C3810, C3820, C3831, C3841, C3851	CKSRYF104Z16
C3862	CKSRYF104Z16

Mark	No.	Description	Part No.
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RESISTORS

R3801–R3803, R3805, R3809, R3810	RAB4C221J
Other Resistors	RS1/16S □□□J

OTHERS

CN3801, CN3803–CN3807	AKM1161
K3839–K3845, K3848	AKX9002
CN3802 50P CONNECTER	KF050HC50

SCAN (B) ASSY

SEMICONDUCTORS

IC3501–IC3506	UPD16344GF–3BA
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CAPACITORS

C3501, C3502, C3511, C3512	ACG1088
C3521, C3522, C3532, C3533	ACG1088
C3542, C3543, C3552, C3553	ACG1088
(100000p)	
C3505, C3513, C3527, C3538, C3545	CCSRCH121J50
C3555, C3559	CCSRCH151J50
C3503, C3504, C3506–C3509	CCSRCH390J50
C3514–C3519, C3523–C3526, C3528	CCSRCH390J50
C3530, C3534–C3537, C3539, C3540	CCSRCH390J50
C3544, C3546–C3550, C3554	CCSRCH390J50
C3556–C3558, C3560, C3561	CCSRCH390J50
C3510, C3520, C3531, C3541, C3551	CKSRYF104Z16
C3562	CKSRYF104Z16

RESISTORS

R3501–R3503, R3505, R3509, R3510	RAB4C221J
Other Resistors	RS1/16S □□□J

OTHERS

CN3501, CN3503–CN3505	AKM1161
CN3507, CN3508	AKM1161
K3539–K3545, K3846	AKX9002
CN3502 50P CONNECTER	KF050HC50

DOWNLOAD BLOCK

SEMICONDUCTORS

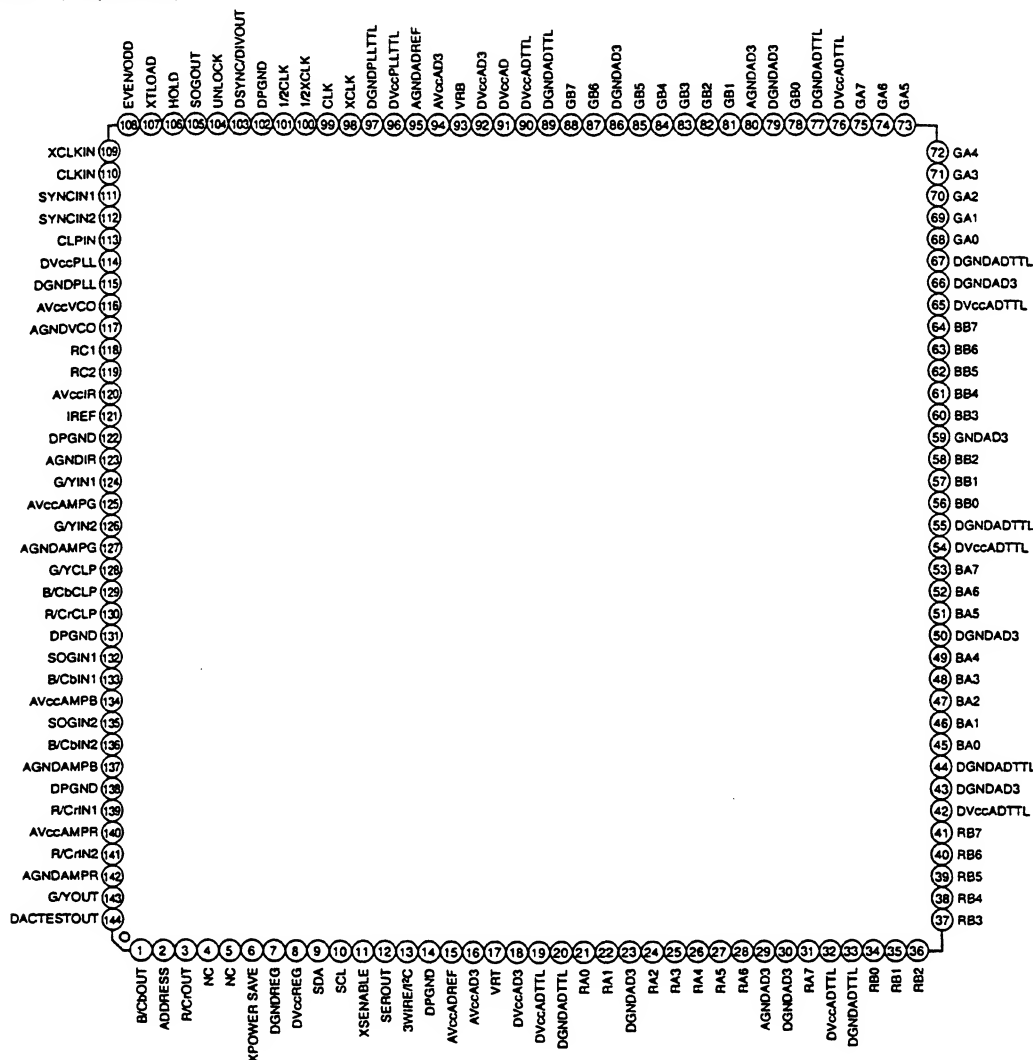
IC2255	MBM29F400BC–90PFTN
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2. IC INFORMATION

■ CXA3506R (IC2402: VIDEO ASSY)

● AD+PLL IC

● Pin Assignment (Top view)



● Pin Function

No.	Name	I/O	Description
1	B/CbOUT	O	Amplifier output signal monitor (1.7V)
2	ADDRESS	I	I ² C slave address setting
3	R/CrOUT	O	Amplifier output signal monitor (1.7V)
4	NC	—	Not used
5			
6	XPOWER SAVE	I	Power saving setting
7	DGNDREG	—	GND for Register
8	DVccREG	—	Power supply (5V) for Register
9	SDA	I	Data input for control register
10	SCL	I	Clock input for control register

No.	Name	I/O	Description
11	XSENABLE	I	Enable signal input for 3 line control register
12	SEROUT	O	Data readout of 3 line control register
13	3WIRE/I ² C	I	Selection of I ² C bus mode and 3 line bus mode
14	DPGND	—	GND
15	AVccADREF	—	Power supply (5V) for reference voltage of ADC
16	AVccAD3	—	Analog power supply (3.3V) of ADC
17	VRT	O	Top reference voltage (2.9V) output of ADC
18	DVccAD3	—	Digital power supply (3.3V) of ADC
19	DVccADTTL	—	Power supply (5V) for TTL output of ADC

No.	Name	I/O	Description
20	DGNDADTTL	—	GND for TTL output of ADC
21	RA0	O	Data output of R channel port A side
22	RA1		
23	DGNDAD3	—	Digital GND of ADC
24 28	RA2 RA6	O	Data output of R channel port A side
29	AGNDAD3	—	Analog GND of ADC
30	DGNDAD3	—	Digital GND of ADC
31	RA7	O	Data output of R channel port A side
32	DVccADTTL	—	Power supply (5V) for TTL output of ADC
33	DGNDADTTL	—	GND for TTL output of ADC
34 41	RB0 RB7	O	Data output of R channel port B side
42	DVccADTTL	—	Power supply (5V) for TTL output of ADC
43	DGNDAD3	—	Digital GND of ADC
44	DGNDADTTL	—	GND for TTL output of ADC
45 49	BA0 BA4	O	Data output of B channel port A side
50	DGNDAD3	—	Digital GND of ADC
51 53	BA5 BA7	O	Data output of B channel port A side
54	DVccADTTL	—	Power supply (5V) for TTL output of ADC
55	DGNDADTTL	—	GND for TTL output of ADC
56 58	BB0 BB	O	Data output of B channel port B side
59	DGNDAD3	—	Digital GND of ADC
60 64	BB3 BB7	O	Data output of B channel port B side
65	DVccADTTL	—	Power supply (5V) for TTL output of ADC
66	DGNDAD3	—	Digital GND of ADC
67	DGNDADTTL	—	GND for TTL output of ADC
68 75	GA0 GA7	O	Data output of G channel port A side
76	DVccADTTL	—	Power supply (5V) for TTL output of ADC
77	DGNDADTTL	—	GND for TTL output of ADC
78	GB0	O	Data output of G channel port B side
79	DGNDAD3	—	Digital GND of ADC
80	AGNDAD3	—	Analog GND of ADC
81 85	GB1 GB5	O	Data output of G channel port B side

No.	Name	I/O	Description
86	DGNDAD3	—	Digital GND of ADC
87	GB6	O	Data output of G channel port B side
88	GB7		
89	DGNDADTTL	—	GND for TTL output of ADC
90	DVccADTTL	—	Power supply (5V) for TTL output of ADC
91	DVccAD	—	Digital power supply (5V) of ADC
92	DVccAD3	—	Digital power supply (3.3V) of ADC
93	VRB	O	Bottom reference voltage (1.9V) output of ADC
94	AVccAD3	—	Analog power supply (3.3V) of ADC
95	AGNDADREF	—	GND for reference voltage of ADC
96	DVccPLL TTL	—	Power supply (5V) for TTL output of PLL
97	DGNDPLL TTL	—	GND for TTL output of PLL
98	XCLK	O	CLK inversion output
99	CLK	O	CLK output
100	1/2XCLK	O	1/2 CLK inversion output
101	1/2CLK	O	1/2 CLK output
102	DPGND	—	GND
103	DSYNC/DIVOUT	O	DSYNC signal output/DIVOUT signal output
104	UNLOCK	O	UNLOCK signal output
105	SOGOUT	O	Sync. signal output of Sync. on G
106	HOLD	I	Disable signal input of phase comparison
107	XTLOAD	I	Reset setting of programmable counter
108	EVEN/ODD	I	Sampling clock phase pulse input of ADC
109	XCLKIN	I	Negative clock input for TEST
110	CLKIN	I	Positive clock input for TEST
111	SYNCIN1	I	Sync. signal input 1
112	SYNCIN2	I	Sync. signal input 2
113	CLPIN	I	Clamp pulse input
114	DVccPLL	—	Digital power supply (5V) for PLL
115	DGNDPLL	—	Digital GND for PLL
116	AVccVCO	—	Analog power supply (5V) for VCO of PLL
117	AGNDVCO	—	Analog GND for VCO of PLL
118	RC1	—	Connected to PLL loop filter (2.1V)
119	RC2	—	Connected to PLL loop filter (2 to 4.5V)
120	AVccIR	—	Analog power supply (5V) for IREF
121	IREE	I	Current setting (1.2V)
122	DPGND	—	GND
123	AGNDIR	—	Analog GND for IREF
124	G/YIN1	I	G/Y signal input 1
125	AVccAMPG	—	Power supply (5V) for G/Y amplifier
126	G/YIN2	I	G/Y signal input 2
127	AGNDAMPG	—	GND for G/Y amplifier

PDP-502MX, PDP-502MXE

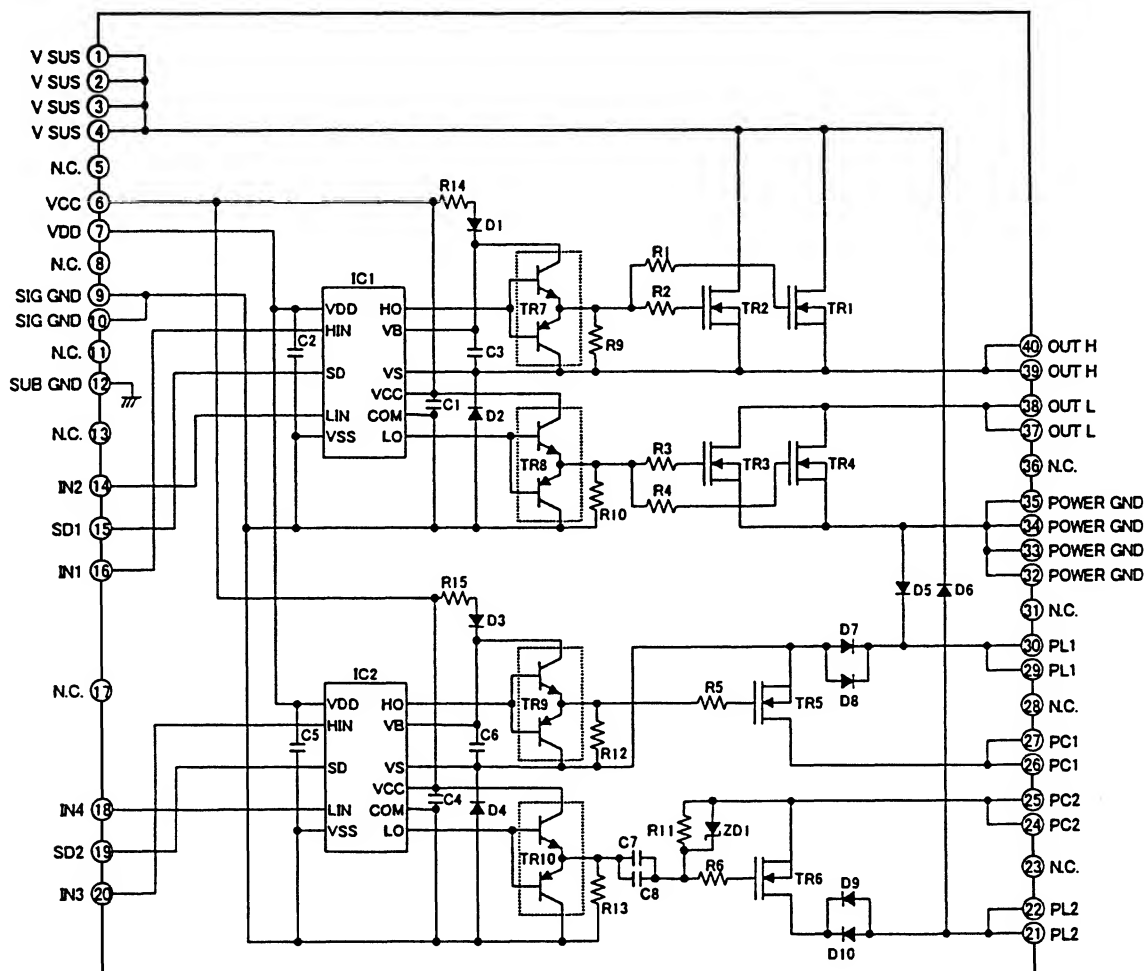
No.	Name	I/O	Description
128	G/YCLP	—	Clamp capacitor connection terminal for BRIGHTNESS
129	B/CbCLP		
130	R/CrCLP		
131	DPGND	—	GND
132	SOGIN1	I	Sync. on G signal input 1 (2.8V)
133	B/CbIN1	I	B/Cb signal input 1
134	AVccAMPB	—	Power supply (5V) for B/Cb amplifier
135	SOGIN2	I	Sync. on G signal input 2 (2.8V)
136	B/CbIN2	I	B/Cb signal input 2
137	AGNDAMPB	—	GND for B/Cb amplifier
138	DPGND	—	GND
139	R/CrIN1	I	R/Cr signal input 1
140	AVccAMPB	—	Power supply (5V) for R/Cr amplifier

No.	Name	I/O	Description
141	R/CrIN2	I	R/Cr signal input 2
142	AGNDAMPB	—	GND for R/Cr amplifier
143	G/YOUT	O	Amplifier output signal monitor (1.7V)
144	DAC TEST OUT	O	Test output terminal of DAC for amplifier part control register

■ STK795-450 (IC3402, IC3405: X DRIVE ASSY) (IC3702, IC3707: Y DRIVE ASSY)

● Pulse Module

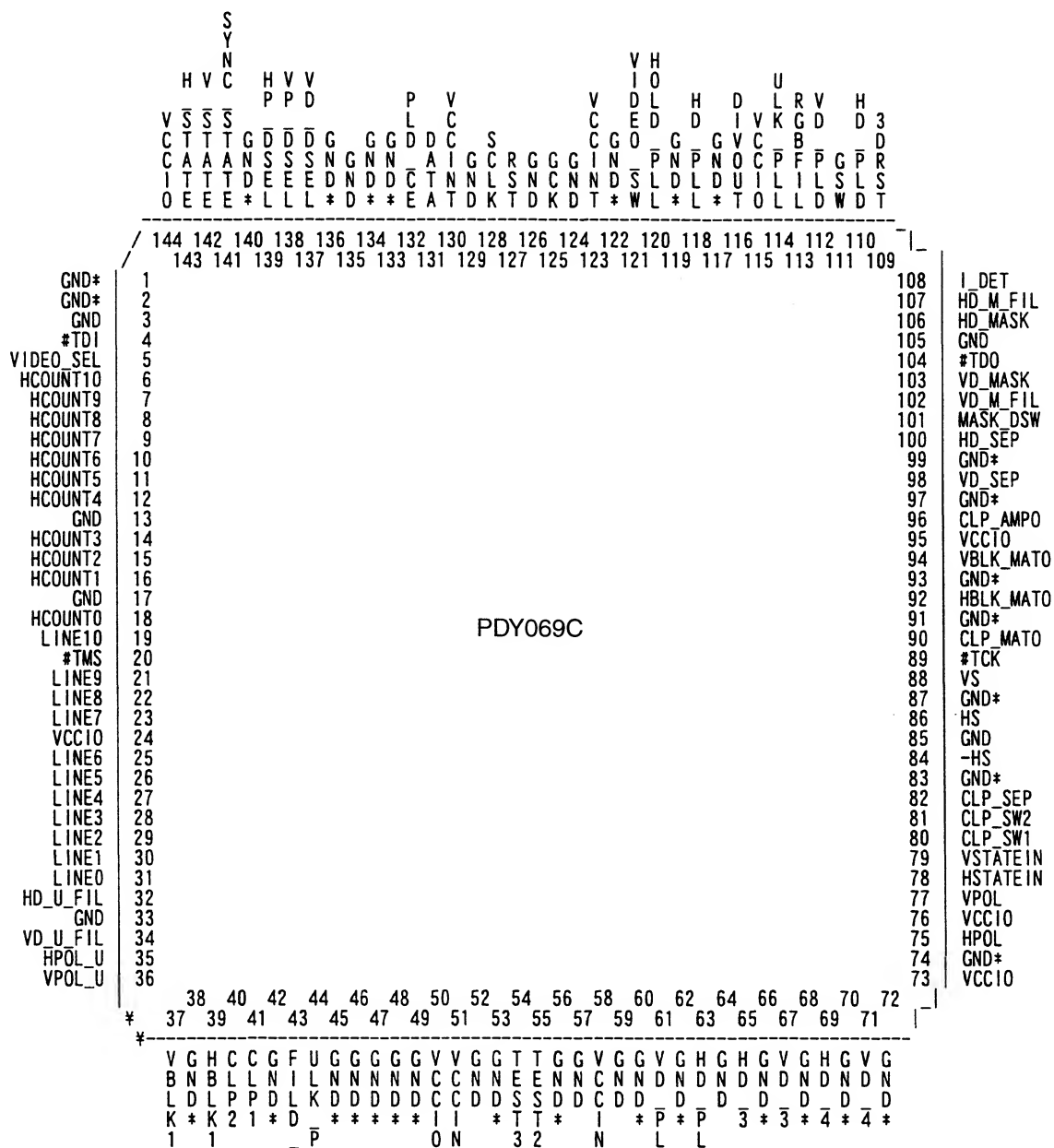
● Block Diagram



■ PDY069C (IC2005: VIDEO ASSY)

● Sync. Control PLD

- Pin Assignment (Top view)

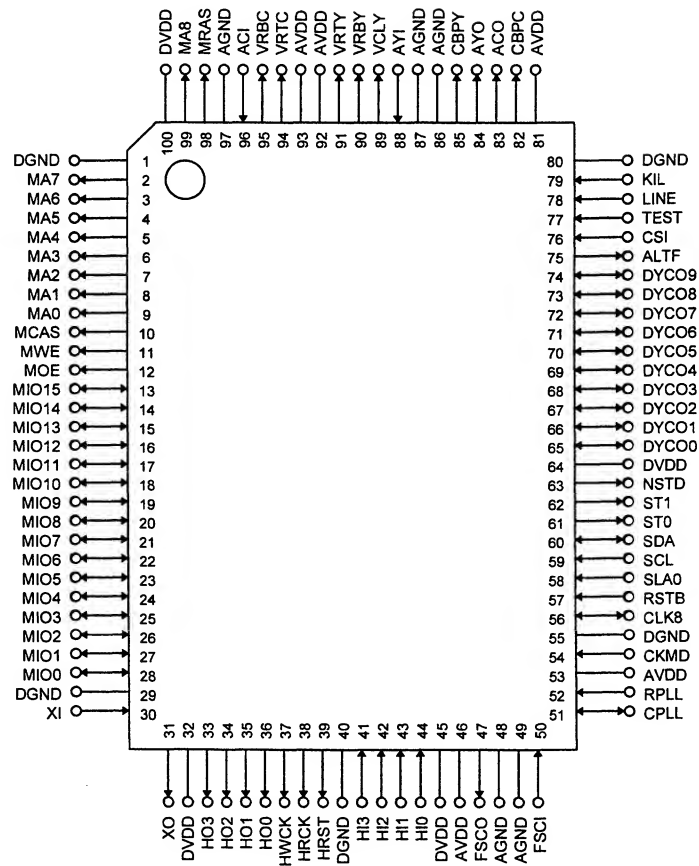


PDP-502MX, PDP-502MXE

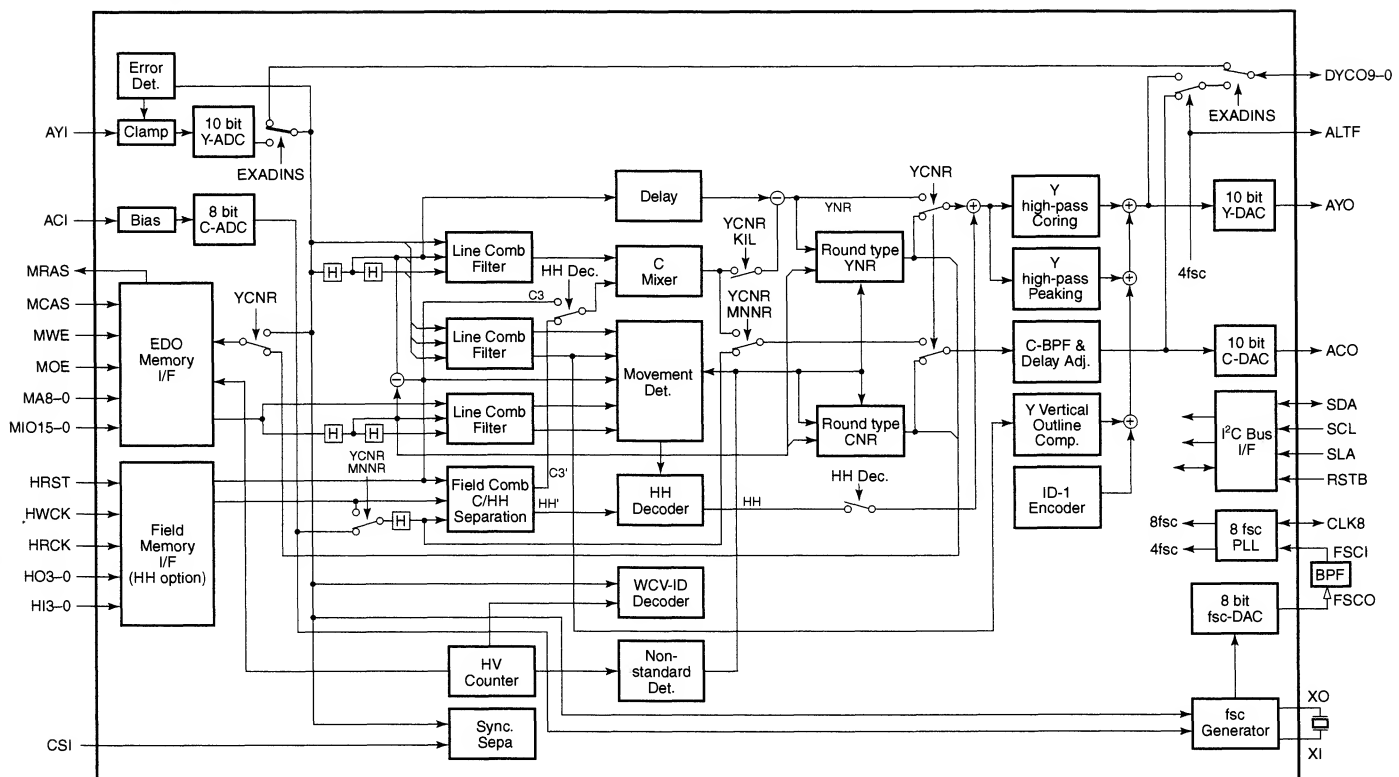
■ UPD64082GF-3BA (IC1101: VIDEO ASSY)

● Logic IC

● Pin Assignment (Top view)



● Block Diagram



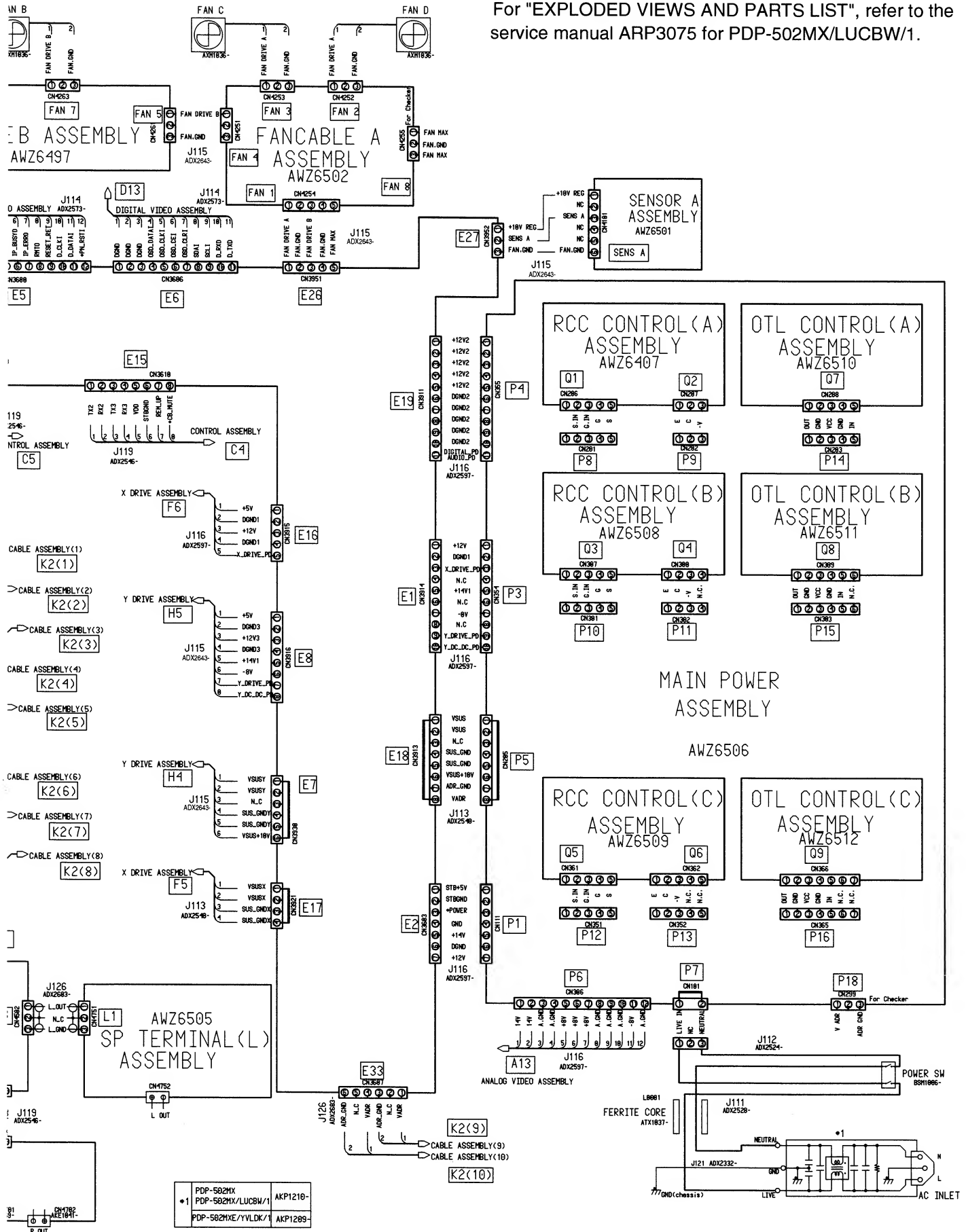
- Pin Function

No.	Name	I/O	Description
1	DGND	—	GND of digital part
2 9	MA7 MA0	O	Address output for external EDO memory
10	MCAS	O	CAS output for external EDO memory
11	MWE	O	WE output for external EDO memory
12	MOE	O	OE output for external EDO memory
13 28	MIO15 MIO0	I/O	Data input/output for external EDO memory
29	DGND	—	fsc Generator GND of digital part
30	XI	I	fsc Generator Reference clock input (Connected to X'tal)
31	XO	O	fsc Generator Reference clock inversion input (Connected to X'tal)
32	DVDD	—	fsc Generator Power supply of digital part
33 36	HO3 (MSB) HO0 (LSB)	O	Data output for external field memory
37	HWCK	O	Write clock output for external field memory
38	HRCK	O	Read clock output for external field memory
39	HRST	O	Reset signal output for external field memory
40	DGND	—	GND of digital part
41 44	HI3 (MSB) HI0 (LSB)	I	Input for external field memory
45	DVDD	—	Power supply of digital part
46	AVDD	—	fsc Generator Power supply of DAC
47	FSCO	—	fsc Generator fsc output
48	AGND	—	fsc Generator GND of DAC
49	AGND	—	8fsc-PLL GND
50	FSCI	—	fsc input
51	CPLL	—	Filter output
52	RPLL	I	Test input
53	AVDD	—	Power supply of 8fsc-PLL part
54	CKMD	O/I	Selection of CLK8 test mode L: Normal, H: Test mode
55	DGND	—	Digital GND
56	CLK8	I	8fsc clock output (CLK8 test mode: 8fsc clock input)
57	RSTB	I	System reset input
58	SLA0	I	Input selection of I ² C bus slave address (L: B8/B9h, H: BA/BBh)
59	SCL	I	I ² C bus clock input
60	SDA	I/O	I ² C bus data input/output

No.	Name	I/O	Description
61	ST0	O	Output of internal signal monitor
62	ST1		
63	NSTD	O	Non-standard detection monitor output (L: standard, H: Non-standard)
64	DVDD	—	Power supply of digital part
65 74	DYCO0 (LSB) DYCO9 (MSB)	I/O	EXADINS=0: Digital YC signal alternate output EXADINS=1: Data input for external Y-ADC
75	ALTF		EXADINS=0: Digital YC signal alternate flg output (L: Y, H: C) EXADINS=1: 4fsc clock output for external Y-ADC
76	CSI	I	Composite sync input
77	TEST	I	Test terminal for IC selection (L: Normal, H: Test mode)
78	LINE	I	Processing selection input between compulsion lines (L: Normal, H: Test mode)
79	KIL	I	External killer input (L: Normal, H: Y/C sepa. forced release)
80	DGND	—	GND of digital part
81	AVDD	—	Power supply for Y-DAC and C-DAC
82	CBCP	O	C-DAC phase compensation output
83	ACO	O	C-DAC analog C signal output
84	AYO	O	Y-DAC analog Y signal output
85	CBPY	O	Y-DAC phase compensation output
86	AGND	—	GND for Y-DAC and C-DAC
87	AGND	—	GND for Y-ADC
88	AYI	I	Y-ADC analog composite signal/ Y signal input
89	VCLY	O	Y-ADC clamp potential output
90	VRBY	O	Y-ADC bottom reference voltage output
91	VRTY	O	Y-ADC top reference voltage output
92	AVDD	—	Power supply for Y-ADC
93	AVDD	—	Power supply for C-ADC
94	VRTC	O	C-ADC top reference voltage output
95	VRBC	O	C-ADC bottom reference voltage output
96	ACI	I	C-ADC analog C signal input
97	AGND	—	GND for C-ADC
98	MRAS	O	RAS output for external EDO memory
99	MA8	O	Address output for external EDO memory
100	DVDD	—	Power supply of digital part

PDP-502MX, PDP-502MXE

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "PCB PARTS LIST".
For "EXPLODED VIEWS AND PARTS LIST", refer to the service manual ARP3075 for PDP-502MX/LUCBW/1.



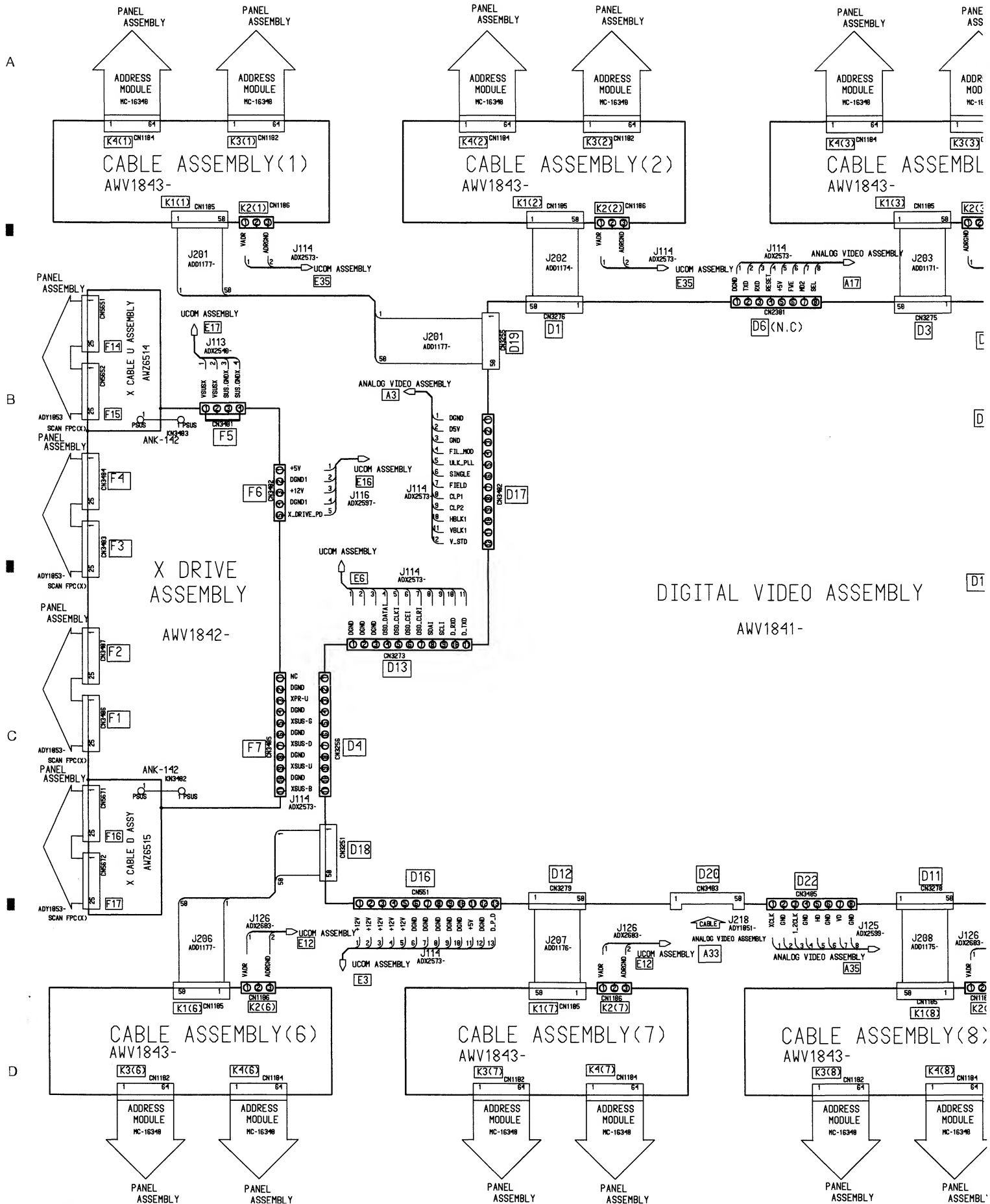
A

B

C

D

3.2 OVERALL CONNECTION DIAGRAM (2/3)



A



PDP-502MX, PDP-502MXE

3.3 OVERALL CONNECTION DIAGRAM (3/3)

Each Flexible Flat Cable Terminal Name

25P FPC	XDRIVE	PANEL	XDRIVE	PANEL
	X CABLE U	PANEL	X CABLE U	PANEL
	X CABLE D	PANEL	X CABLE D	PANEL
F1 F2 CN3486 CN3487	1	PSUS	25	14
F3 F4 CN3483 CN3484	2	PSUS	24	15
F14 F15 CN5651 CN5652	3	PSUS	23	16
F16 F17 CN5671 CN5672	4	PSUS	22	17
	5	PSUS	21	18
	6	PSUS	20	19
	7	PSUS	19	20
	8	PSUS	18	21
	9	PSUS	17	22
	10	PSUS	16	23
	11	PSUS	15	24
	12	PSUS	14	25
	13	PSUS	13	

50P FFC	CABLE	DIGITAL	CABLE	DIGITAL
	1	NC	50	26
	2	NC	49	27
	3	NC	48	28
	4	5VCC	47	29
	5	5VCC	46	30
	6	5VCC	45	31
	7	5VCC	44	32
	8	5VCC	43	33
	9	5VCC	42	34
	10	DGND	41	35
	11	12VCC	40	36
	12	12VCC	39	37
	13	DGND	38	38
	14	3VCC	37	39
	15	3VCC	36	40
	16	DGND	35	41
	17	DATA_R_3	34	42
	18	DATA_G_3	33	43
	19	DATA_B_3	32	44
	20	DGND	31	45
	21	DATA_R_2	30	46
	22	DATA_G_2	29	47
	23	DATA_B_2	28	48
	24	DGND	27	49
	25	LE	26	50

50P FFC	CABLE	DIGITAL	CABLE	DIGITAL
	1	NC	50	26
	2	NC	49	27
	3	NC	48	28
	4	5VCC	47	29
	5	5VCC	46	30
	6	5VCC	45	31
	7	5VCC	44	32
	8	5VCC	43	33
	9	5VCC	42	34
	10	DGND	41	35
	11	12VCC	40	36
	12	12VCC	39	37
	13	DGND	38	38
	14	3VCC	37	39
	15	3VCC	36	40
	16	DGND	35	41
	17	DATA_B_1	34	42
	18	DATA_G_1	33	43
	19	DATA_R_1	32	44
	20	DGND	31	45
	21	DATA_B_0	30	46
	22	DATA_G_0	29	47
	23	DATA_R_0	28	48
	24	DGND	27	49
	25	LE	26	50

50P CABLE	ANALOG VIDEO	DIGITAL VIDEO	ANALOG VIDEO	DIGITAL VIDEO
	1	DGND	50	26
	2	BA0	49	27
	3	BA1	48	28
	4	BA2	47	29
	5	BA3	46	30
	6	BA4	45	31
	7	BA5	44	32
	8	BA6	43	33
	9	BA7	42	34
	10	GA0	41	35
	11	GA1	40	36
	12	GA2	39	37
	13	GA3	38	38
	14	GA4	37	39
	15	GA5	36	40
	16	GA6	35	41
	17	GA7	34	42
	18	RA0	33	43
	19	RA1	32	44
	20	RA2	31	45
	21	RA3	30	46
	22	RA4	29	47
	23	RA5	28	48
	24	RA6	27	49
	25	RA7	26	50

50P FFC	DIGITAL	Y DRIVE	DIGITAL	Y DRIVE
	1	NC	50	26
	2	NC	49	27
	3	NC	48	28
	4	DATB0U	47	29
	5	DATG0U	46	30
	6	DATR0U	45	31
	7	DGND	44	32
	8	DATB1U	43	33
	9	DATG1U	42	34
	10	DATR1U	41	35
	11	NC	40	36
	12	ADRU0U	39	37
	13	NC	38	38
	14	ADRB0U	37	39
	15	NC	36	40
	16	ADRD0U	35	41
	17	NC	34	42
	18	ADRG0U	33	43
	19	NC	32	44
	20	HZ	31	45
	21	HLBK	30	46
	22	LBLK	29	47
	23	CLR	28	48
	24	CLK	27	49
	25	CLKB	26	50

50P FFC	DIGITAL	Y DRIVE	DIGITAL	Y DRIVE
	1	NC	50	26
	2	NC	49	27
	3	NC	48	28
	4	DATR2L	47	29
	5	DATG2L	46	30
	6	DATB2L	45	31
	7	DGND	44	32
	8	DATR3L	43	33
	9	DATG3L	42	34
	10	DATB3L	41	35
	11	NC	40	36
	12	ADRU0L	39	37
	13	NC	38	38
	14	ADRB0L	37	39
	15	NC	36	40
	16	ADRD0L	35	41
	17	NC	34	42
	18	ADRG0L	33	43
	19	NC	32	44
	20	HZ	31	45
	21	HLBK	30	46
	22	LBLK	29	47
	23	CLR	28	48
	24	CLK	27	49
	25	CLKB	26	50

50P FFC	DIGITAL	Y DRIVE	DIGITAL	Y DRIVE
	1	YR0	50	26
	2	NC	49	27
	3	YR1	48	28
	4	NC	47	29
	5	YSUS_PD	46	30
	6	NC	45	31
	7	OE	44	32
	8	NC	43	33
	9	S1	42	34
	10	DGND	41	35
	11	CLK	40	36
	12	DGND	39	37
	13	LE_S	38	38
	14	DGND	37	39
	15	CLR	36	40
	16	DGND	35	41
	17	LBLK	34	42
	18	DGND	33	43
	19	HLBK	32	44
	20	DGND	31	45
	21	YSUS-B	30	46
	22	DGND	29	47
	23	YSUS-U	28	48
	24	DGND	27	49
	25	YSUS-D	26	50

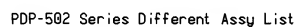
PDP-502MX, PDP-502MXE

64P FPC	CABLE	ADDRESS MODULE	CABLE	ADDRESS MODULE	64P FPC	CABLE	ADDRESS MODULE	CABLE	ADDRESS MODULE
	1	V ADR_OUT 64	33	V ADR_OUT 32		1	V ADR_OUT 64	33	V ADR_OUT 32
	2	V ADR_OUT 63	34	NC 31		2	V ADR_OUT 63	34	NC 31
	3	V ADR_OUT 62	35	ADRGND 30		3	V ADR_OUT 62	35	ADRGND 30
	4	NC 61	36	DATA_R_A2 29		4	NC 61	36	DATA_R_B2 29
	5	NC 60	37	DATA_G_A2 28		5	NC 60	37	DATA_G_B2 28
	6	ADRGND 59	38	DATA_B_A2 27		6	ADRGND 59	38	DATA_B_B2 27
	7	ADRGND 58	39	CLR_A 26		7	ADRGND 58	39	CLR_B 26
	8	DATA_R_A4 57	40	CLK_A 25		8	DATA_R_B4 57	40	CLK_B 25
	9	DATA_G_A4 56	41	+5V 24		9	DATA_G_B4 56	41	+5V 24
	10	DATA_B_A4 55	42	DGND 23		10	DATA_B_B4 55	42	DGND 23
	11	CLR_A 54	43	LE_A 22		11	CLR_B 54	43	LE_B 22
	12	CLK_A 53	44	HBLK_A 21		12	CLK_B 53	44	HBLK_B 21
	13	+5V 52	45	LBLK_A 20		13	+5V 52	45	LBLK_B 20
	14	DGND 51	46	HZ_A 19		14	DGND 51	46	HZ_B 19
	15	LE_A 50	47	DATA_R_A1 18		15	LE_B 50	47	DATA_R_B1 18
	16	HBLK_A 49	48	DATA_G_A1 17		16	HBLK_B 49	48	DATA_G_B1 17
	17	LBLK_A 48	49	DATA_B_A1 16		17	LBLK_B 48	49	DATA_B_B1 16
	18	HZ_A 47	50	CLR_A 15		18	HZ_B 47	50	CLR_B 15
	19	DATA_R_A3 46	51	CLKB_A 14		19	DATA_R_B3 46	51	CLKB_B 14
	20	DATA_G_A3 45	52	+5V 13		20	DATA_G_B3 45	52	+5V 13
	21	DATA_B_A3 44	53	DGND 12		21	DATA_B_B3 44	53	DGND 12
	22	CLR_A 43	54	LEB_A 11		22	CLR_B 43	54	LEB_B 11
	23	CLKB_A 42	55	HBLK_A 10		23	CLKB_B 42	55	HBLK_B 10
	24	+5V 41	56	LBLK_A 9		24	+5V 41	56	LBLK_B 9
	25	DGND 40	57	HZ_A 8		25	DGND 40	57	HZ_B 8
	26	LEB_A 39	58	ADRGND 7		26	LEB_B 39	58	ADRGND 7
	27	HBLK_A 38	59	ADRGND 6		27	HBLK_B 38	59	ADRGND 6
	28	LBLK_A 37	60	NC 5		28	LBLK_B 37	60	NC 5
	29	HZ_A 36	61	NC 4		29	HZ_B 36	61	NC 4
	30	ADRGND 35	62	V ADR_OUT 3		30	ADRGND 35	62	V ADR_OUT 3
	31	NC 34	63	V ADR_OUT 2		31	NC 34	63	V ADR_OUT 2
	32	V ADR_OUT 33	64	V ADR_OUT 1		32	V ADR_OUT 33	64	V ADR_OUT 1

50P FFC	SCANMOD	YDRIVE	SCANMOD	YDRIVE
J215 ADD1171 V7 CN3882	1	VH 50	26	CLK 25
	2	VH 49	27	GNGH 24
	3	VH 48	28	GNGH 23
	4	VH 47	29	LE 22
	5	VH 46	30	GNGH 21
	6	VH 45	31	GNGH 20
	7	VH 44	32	OC1 19
J216 ADD1171 V14 CN3582	8	VH 43	33	GNDH 18
	9	NC 42	34	GNDH 17
	10	NC 41	35	OC2A 16
	11	ICSV 40	36	GNDH 15
	12	ICSV 39	37	GNDH 14
	13	ICSV 38	38	OC2B 13
	14	ICSV 37	39	GNDH 12
	15	NC 36	40	GNDH 11
	16	NC 35	41	DA 10
	17	NC 34	42	GNDH 9
	18	GNDH 33	43	GNDH 8
	19	GNDH 32	44	CLR 7
	20	A/B 31	45	GNDH 6
	21	GNGH 30	46	GNDH 5
	22	GNGH 29	47	GNDH 4
	23	DB 28	48	GNDH 3
	24	GNGH 27	49	GNDH 2
	25	GNGH 26	50	GNDH 1

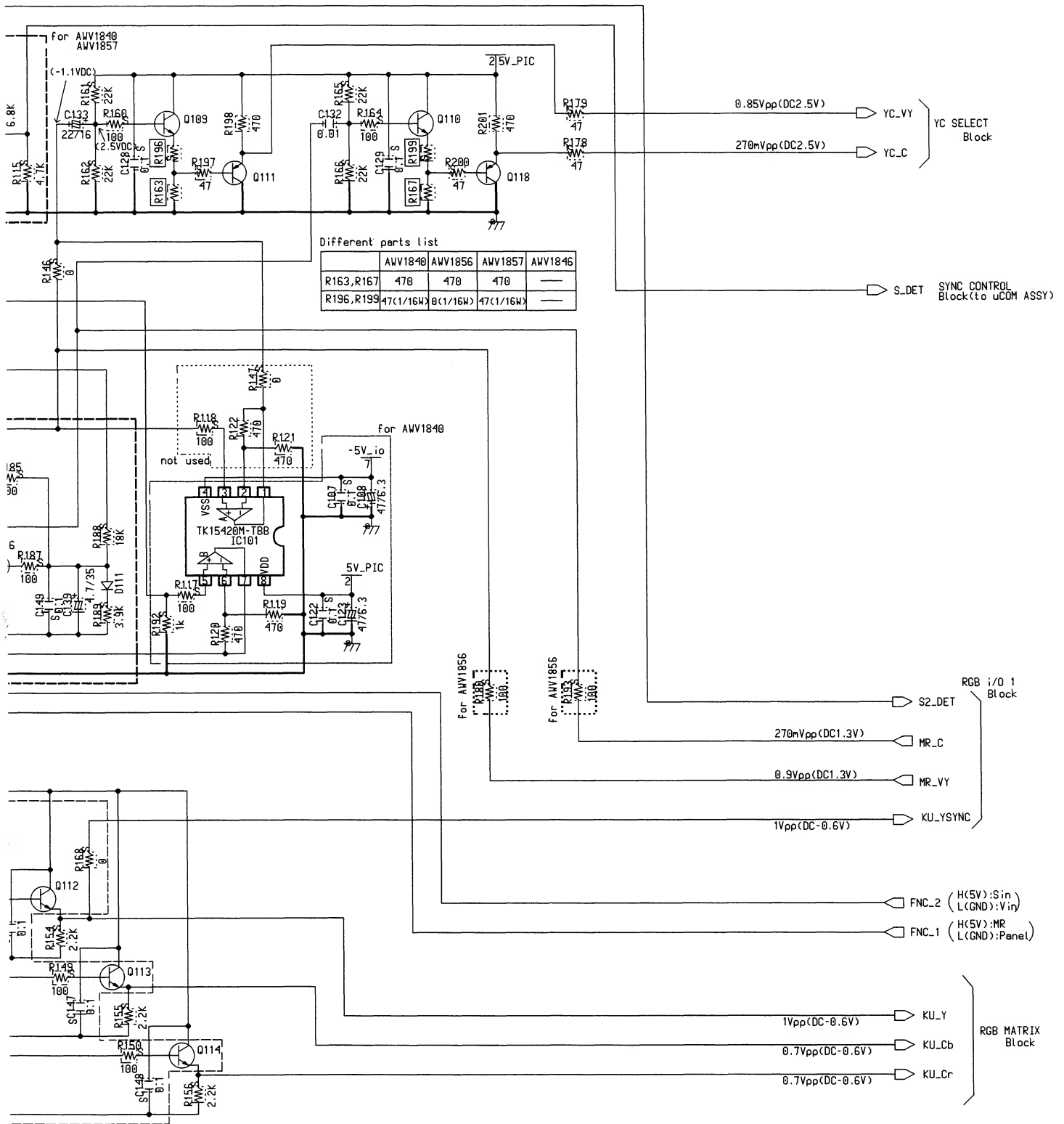
64P FPC	SCANMOD	PANEL	SCANMOD	PANEL	64P FPC	SCANMOD	PANEL	SCANMOD	PANEL
	1	a1 64	33	a33 32		1	a65 64	33	a97 32
	2	a2 63	34	a34 31		2	a66 63	34	a98 31
	3	a3 62	35	a35 30		3	a67 62	35	a99 30
	4	a4 61	36	a36 29		4	a68 61	36	a100 29
	5	a5 60	37	a37 28		5	a69 60	37	a101 28
	6	a6 59	38	a38 27		6	a70 59	38	a102 27
	7	a7 58	39	a39 26		7	a71 58	39	a103 26
	8	a8 57	40	a40 25		8	a72 57	40	a104 25
	9	a9 56	41	a41 24		9	a73 56	41	a105 24
	10	a10 55	42	a42 23		10	a74 55	42	a106 23
	11	a11 54	43	a43 22		11	a75 54	43	a107 22
	12	a12 53	44	a44 21		12	a76 53	44	a108 21
	13	a13 52	45	a45 20		13	a77 52	45	a109 20
	14	a14 51	46	a46 19		14	a78 51	46	a110 19
	15	a15 50	47	a47 18		15	a79 50	47	a111 18
	16	a16 49	48	a48 17		16	a80 49	48	a112 17
	17	a17 48	49	a49 16		17	a81 48	49	a113 16
	18	a18 47	50	a50 15		18	a82 47	50	a114 15
	19	a19 46	51	a51 14		19	a83 46	51	a115 14
	20	a20 45	52	a52 13		20	a84 45	52	a116 13
	21	a21 44	53	a53 12		21	a85 44	53	a117 12
	22	a22 43	54	a54 11		22	a86 43	54	a118 11
	23	a23 42	55	a55 10		23	a87 42	55	a119 10
	24	a24 41	56	a56 9		24	a88 41	56	a120 9
	25	a25 40	57	a57 8		25	a89 40	57	a121 8
	26	a26 39	58	a58 7		26	a90 39	58	a122 7
	27	a27 38	59	a59 6		27	a91 38	59	a123 6
	28	a28 37	60	a60 5		28	a92 37	60	a124 5
	29	a29 36	61	a61 4		29	a93 36	61	a125 4
	30	a30 35	62	a62 3		30	a94 35	62	a126 3
	31	a31 34	63	a63 2		31	a95 34	63	a127 2
	32	a32 33	64	a64 1		32	a96 33	64	a128 1

64P FPC	SCANMOD	PANEL	SCANMOD	PANEL
	1	a129 64	33	a161 32
	2	a130 63	34	a162 31
	3	a131 62	35	a163 30
	4	a132 61	36	a164 29
	5	a133 60	37	a165 28
	6	a134 59	38	a166 27
	7	a135 58	39	a167 26
	8	a136 57	40	a168 25
	9	a137 56	41	a169 24
	10	a138 55	42	a170 23
	11	a139 54	43	a171 22
	12	a140 53	44	a172 21
	13	a141 52	45	a173 20
	14	a142 51	46	a174 19
	15	a143 50	47	a175 18
	16	a144 49	48	a176 17
	17	a145 48	49	a177 16
	18	a146 47	50	a178 15
	19	a147 46	51	a179 14
	20	a148 45	52	a180 13
	21	a149 44	53	a181 12
	22	a150 43	54	a182 11
	23	a151 42	55	a183 10
	24	a152 41	56	a184 9
	25	a153 40	57	a185 8
	26	a154 39	58	a186 7
	27	a155 38	59	a187 6
	28	a156 37	60	a188 5
	29	a157 36	61	a189 4
	30	a158 35	62	a190 3
	31	a159 34	63	a191 2
	32	a160 33	64	a192 1



Monitor Model			System Model
PDP-502MX /LUCBW	PDP-505HD /KUC	PDP-502MXE /YVLDK	PDP-502F
AWV1840	AWV1857	AWV1846	AWV1856

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Different parts list

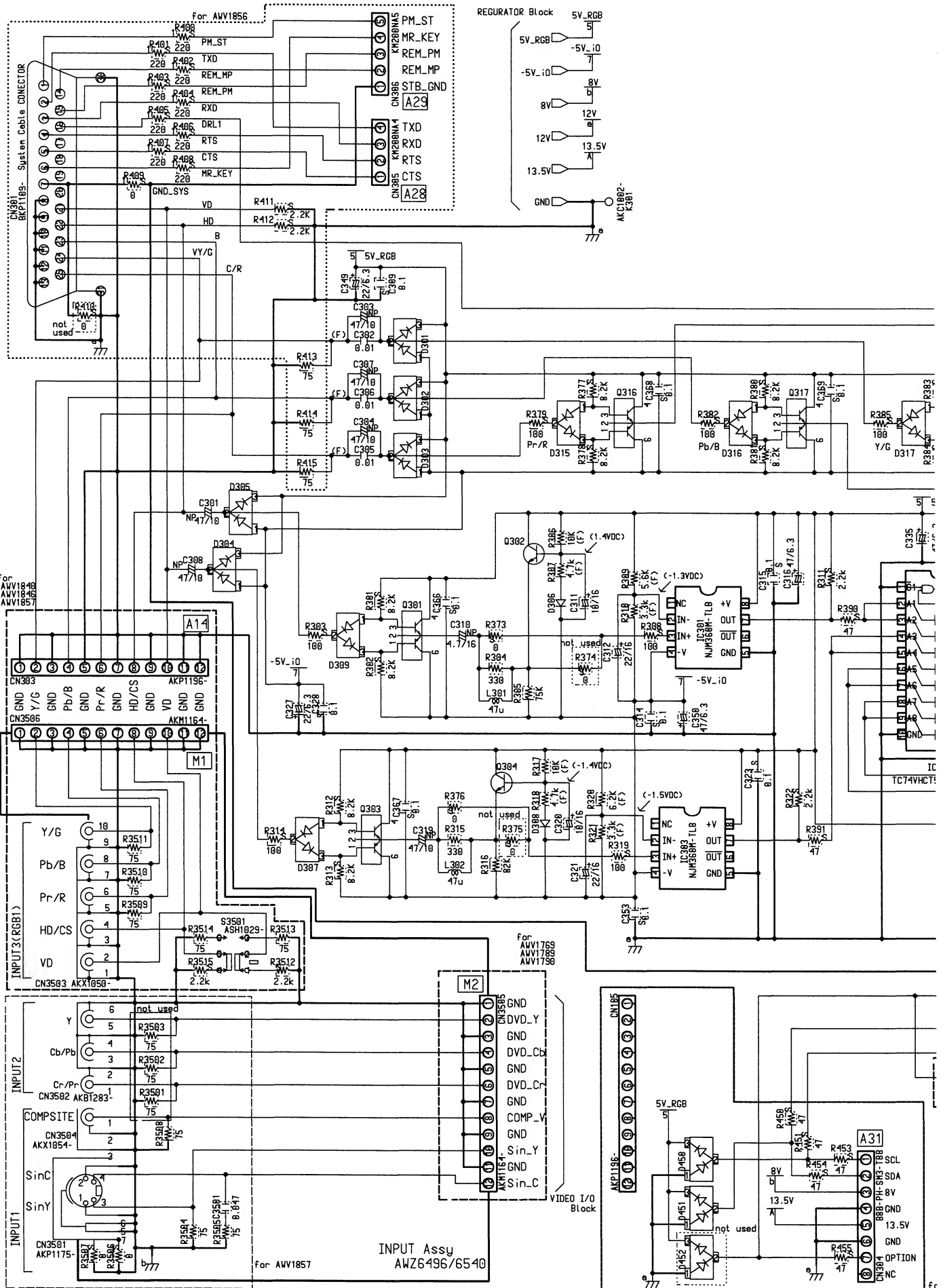
	AWW1840	AWW1856	AWW1857	AWW1846
R163,R167	470	470	470	—
R196,R199	47(1/16W)	8(1/16W)	47(1/16W)	—

ITEM	USED	VACANT
R	101-206	(131,173-177),202-203
C	101-150	(113-114),125-127 130,131,135,143-145
L		(101)
Q	101-118	
D	101-112	(106-107)
IC	101-102	(104)
CN	101-105	



- * Resistor indicated in ohm,1/10W+5% tolerance unless otherwise noted.k:k ohm,M:M ohm
- * Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF
- * indication without voltage is 50V except Electrolytic capacitor.
- * "S"Marked resistor and capacitor indicated 1608size(1/16W)

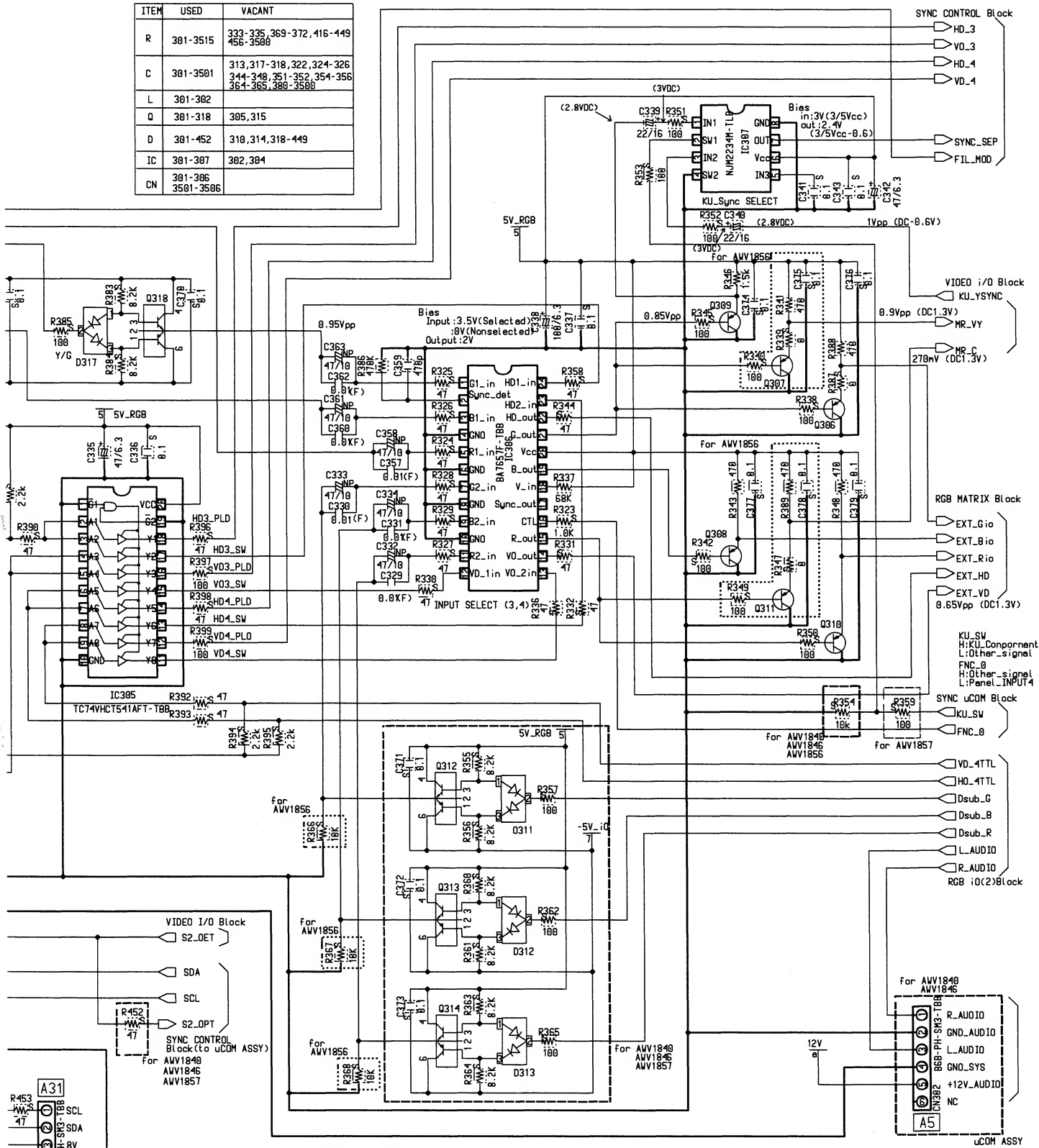
3.5 VIDEO ASSY (2/14) and INPUT ASSY



- Resistor indicated in ohm, 1/10W±5% tolerance unless otherwise noted. k: k ohm, M: M ohm
- "S" Marked resistor and capacitor indicated 1608size(1/16W)
- Capacitor indicated in Capacitance(μF)/Voltage(V) unless otherwise noted. p: pF
- indication without voltage is 50V except Electrolytic capacitor.



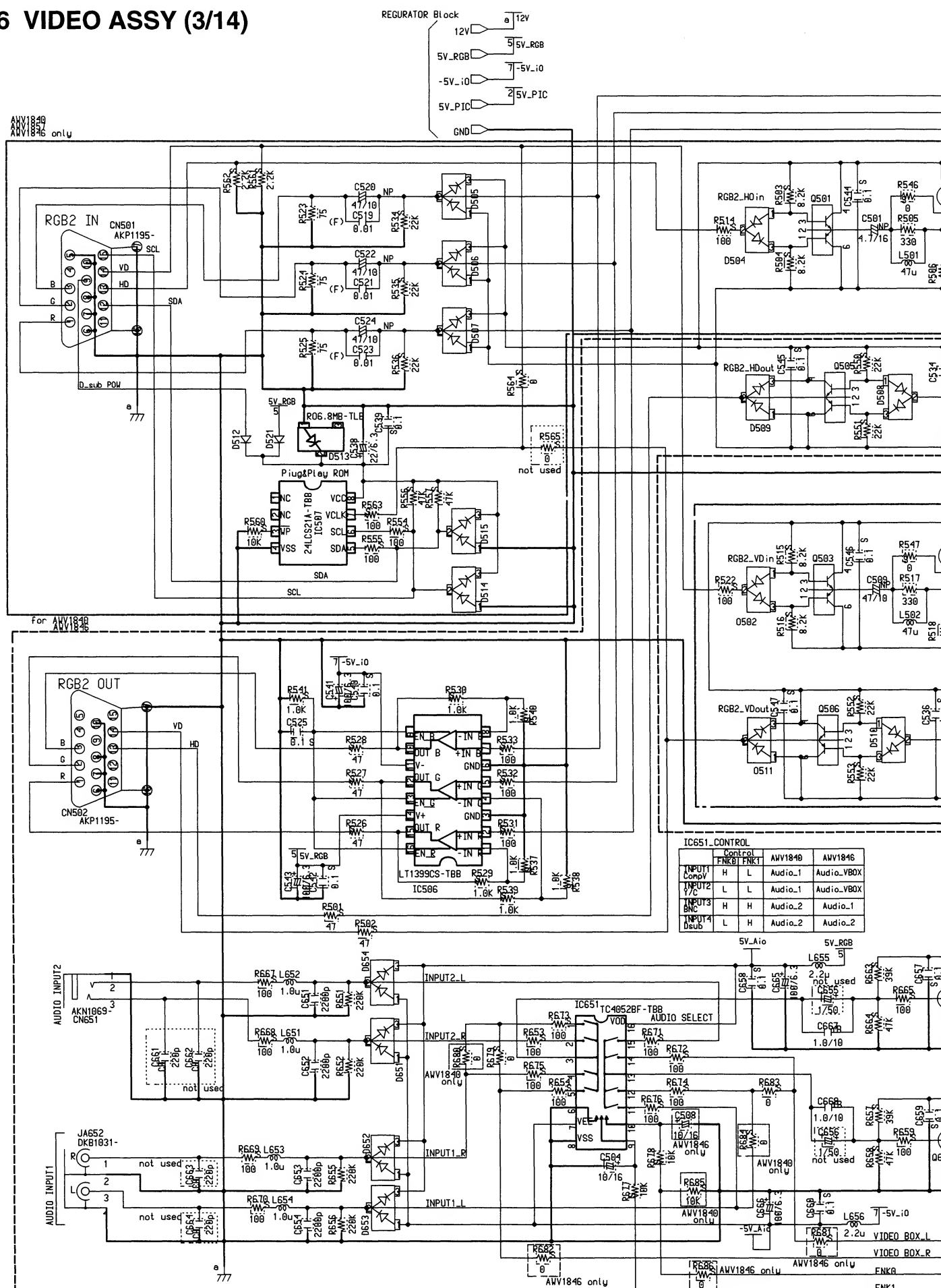
ITEM	USED	VACANT
R	301-3515	333-335, 369-372, 416-449, 456-3500
C	301-3501	313, 317-318, 322, 324-326, 344-348, 351-352, 354-356, 364-365, 369-3500
L	301-302	
Q	301-318	305, 315
D	301-452	310, 314, 318-449
IC	301-307	302, 304
CN	301-306, 3501-3506	



POP-502 Series Different Assy List

Monitor Model	System Model
PDP-502MX / LUCBW	PDP-505HD / YVLDK
AWV1840	AWV1857
AWV1846	AWV1855

3.6 VIDEO ASSY (3/14)



- Resistor indicated in ohm, 1/10W+5% tolerance unless otherwise noted. k: k ohm, M: M ohm
- Capacitor indicated in Capacitance (uF)/Voltage (V) unless otherwise noted. p: pF
- Indication without voltage is 50V except Electrolytic capacitor.
- "S" Marked resistor and capacitor indicated 1608 size (1/16W)

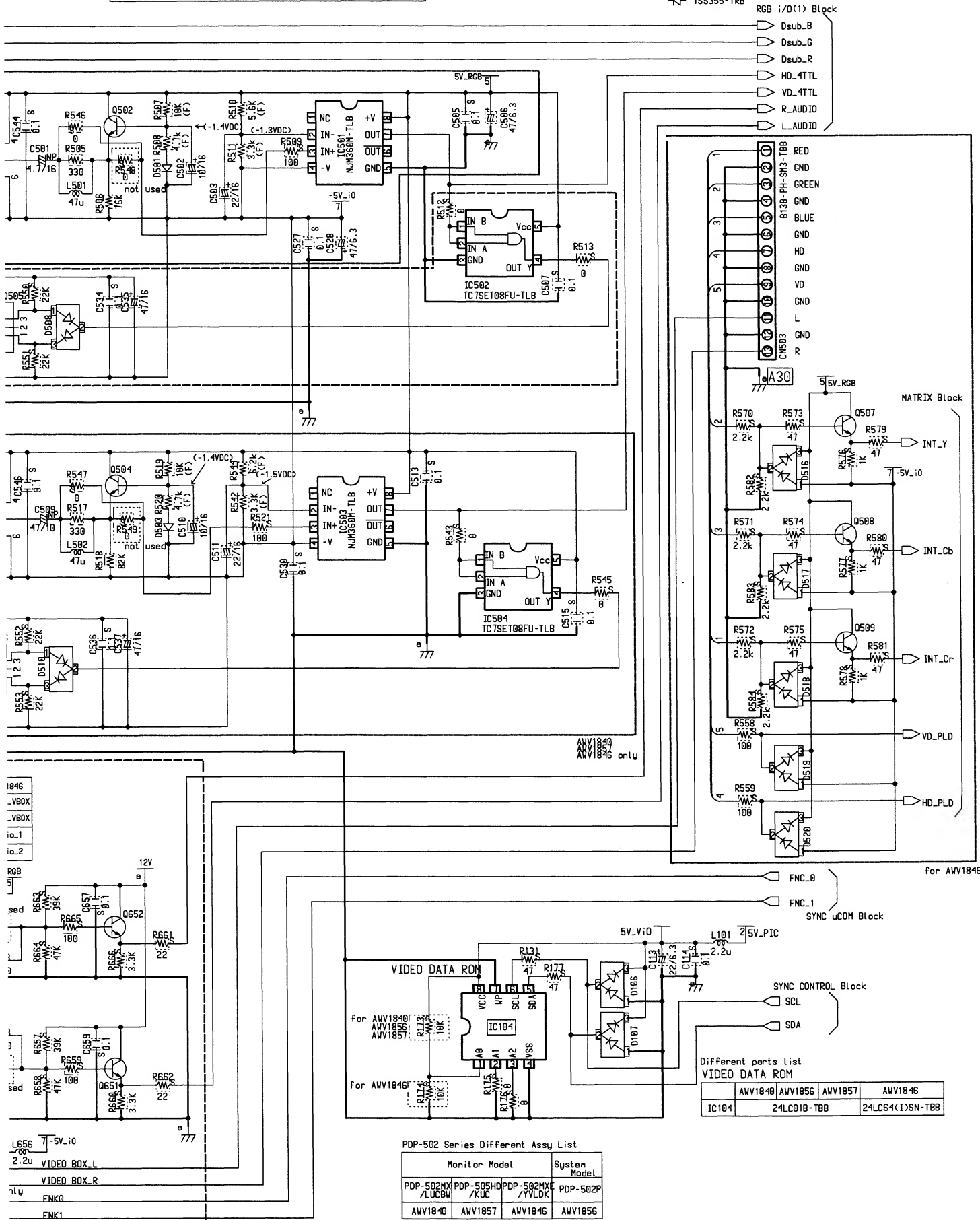
2SC2412K-TLB
R/S

2SA1037K-TLB
R/S

UMY1N-TRB

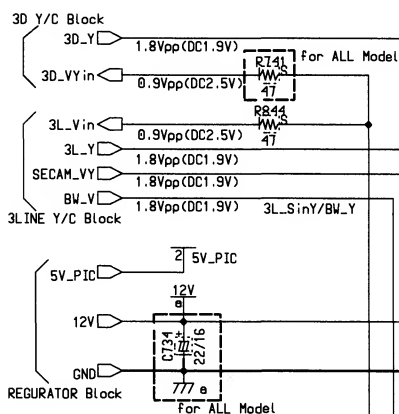
1SS226-TRB

1SS355-TRB

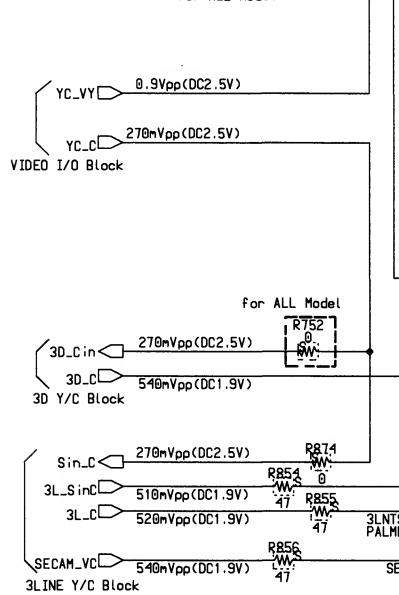


3.7 VIDEO ASSY (4/14)

A



B



* No marked parts use for AWW1840

C

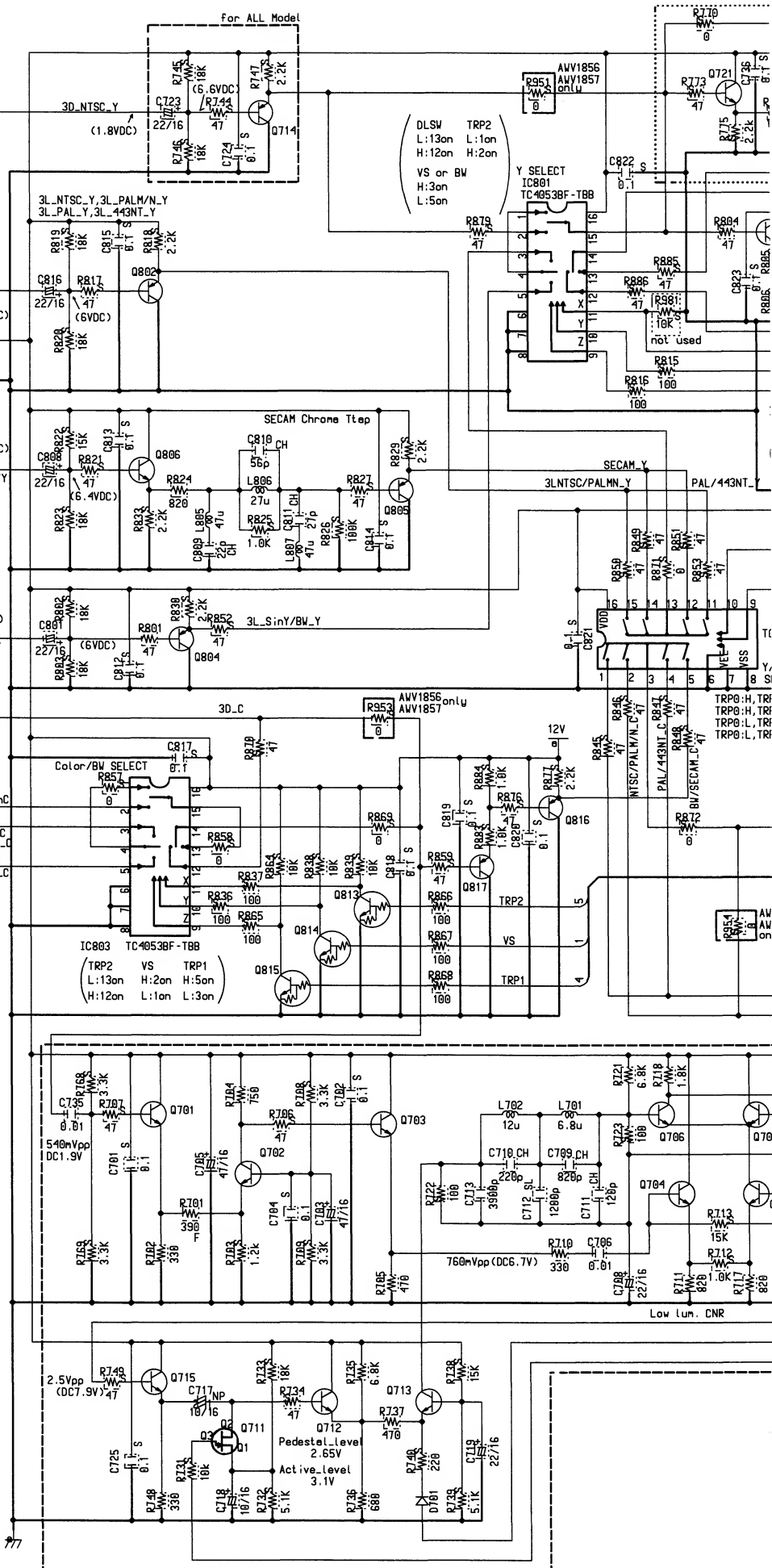
COLOR SYSTEM CONTROL LOGIC at Expander Pin(IC703)

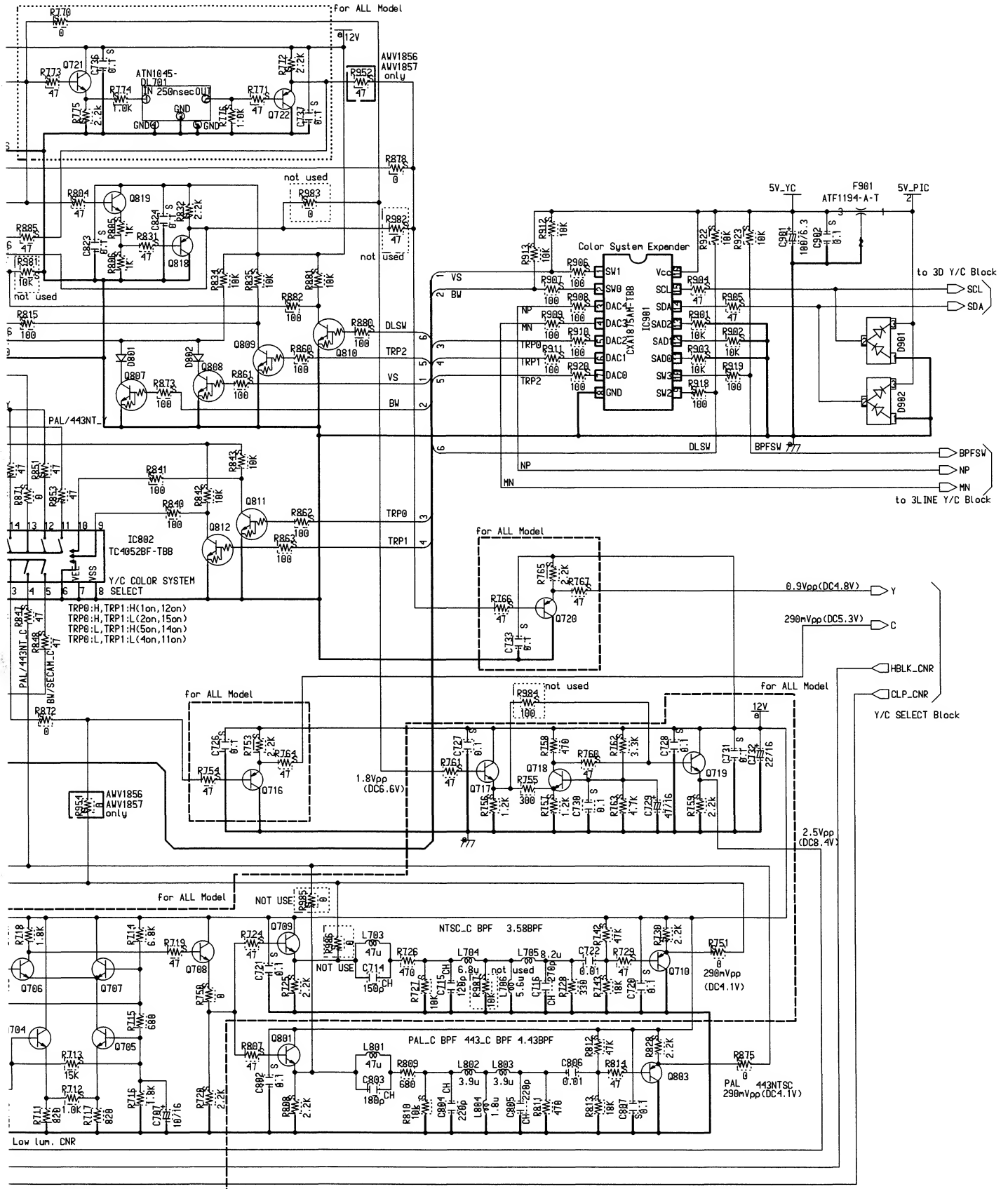
	VS	BW	NP	MN	TRP0	TRP1	TRP2	BPSW	DLSW
COMPOSITE									
NTSC (3D)	-	-	-	-	H	L	H	L	L
NTSC (3L)	L	L	L	L	H	L	L	L	L
PAL	L	L	H	L	L	H	L	L	L
SECAM	L	L	-	-	L	H	L	L	H
4.43NT	L	L	L	L	L	L	L	H	L
PALM	L	L	L	H	H	L	L	L	L
PALN	L	L	H	H	H	L	L	L	L
BW	L	H	-	-	L	H	L	-	L
S INPUT									
NTSC (3D)	-	-	-	-	H	L	H	L	L
NTSC (3L)	H	-	-	-	H	L	L	L	L
PAL	H	-	-	-	L	L	L	L	L
SECAM	H	-	-	-	L	H	L	L	H
4.43NT	H	-	-	-	L	L	L	H	L
PALM	H	-	-	-	H	L	L	L	L
PALN	H	-	-	-	H	L	L	L	L
BW	H	-	-	-	L	H	L	-	L

SECAM signal not used 250ns delay line
443NTSC signal used 3line BPF

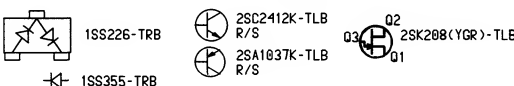
D

ITEM	USED	VACANT
R	701-987	777-800, 887-900, 914-917, 921 924-950, 955-980
C	701-902	738-800, 825-900
L	701-807	707-800
Q	701-819	723-800
D	701-902	702-800, 803-900
IC	801-901	804-900





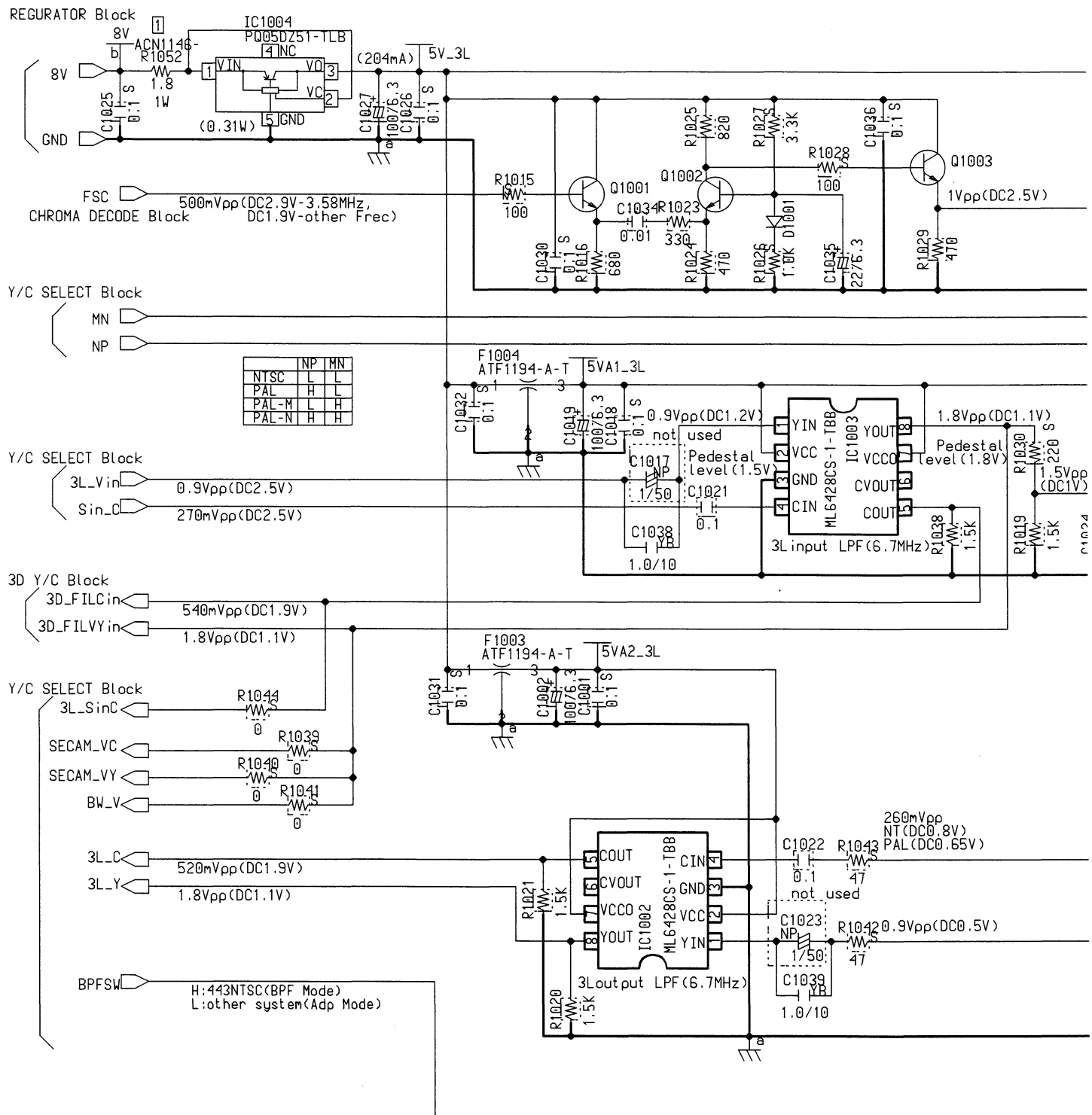
- Resistor indicated in ohm, 1/10W±5% tolerance unless otherwise noted; k: ohm, M: M ohm
- Capacitor indicated in Decapacity(uF)/Voltage(V) unless otherwise noted; p: pF
- Indication without voltage is 50V except electrolytic capacitor.
- "S" Marked resistor and capacitor indicated 1608size(1/16W)



PDP-502 Series Different Assy List

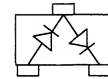
Monitor Model	System Model
PDP-502MX / LUCBV	PDP-505HD / KUC
AUV1840	AUV1857
AUV1856	

3.8 VIDEO ASSY (5/14)



- Resistor indicated in ohm, 1/10W+5% tolerance unless otherwise noted. k:k ohm, M:M ohm
- Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted. p:pF
- indication without voltage is 50V except Electrolytic capacitor.
- "S"Marked resistor and capacitor indicated 1608size(1/16W)

ITEM	USED	VACANT
R	1001-1052	
C	1001-1039	
L		
Q	1001-1004	
D	1001-1003	
IC	1001-1004	



1SS226-TRB



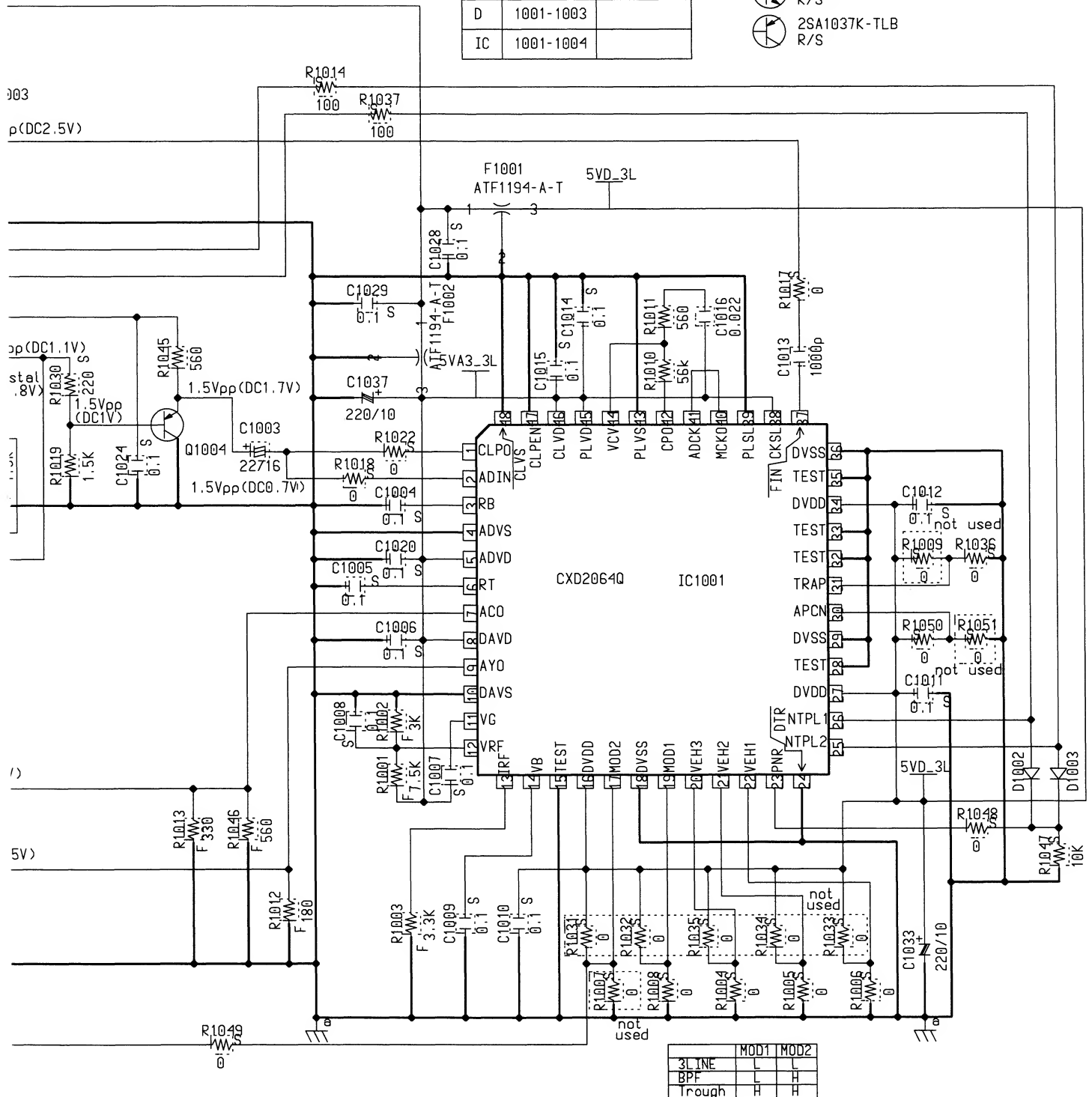
1SS355-TRB



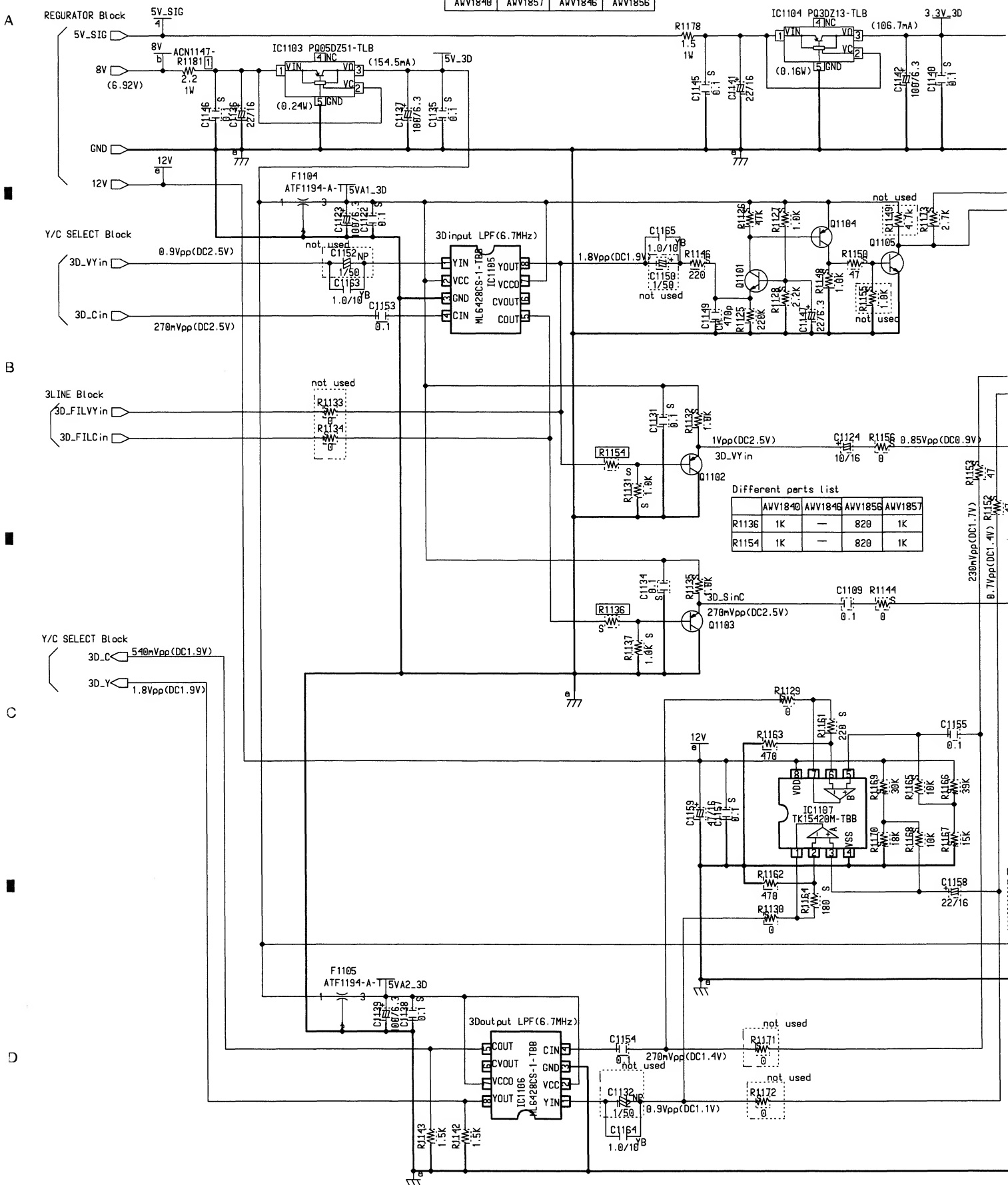
2SC2412K-TLB
R/S

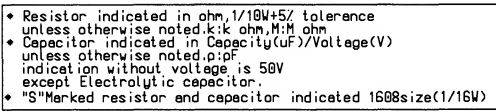


2SA1037K-TLB
R/S

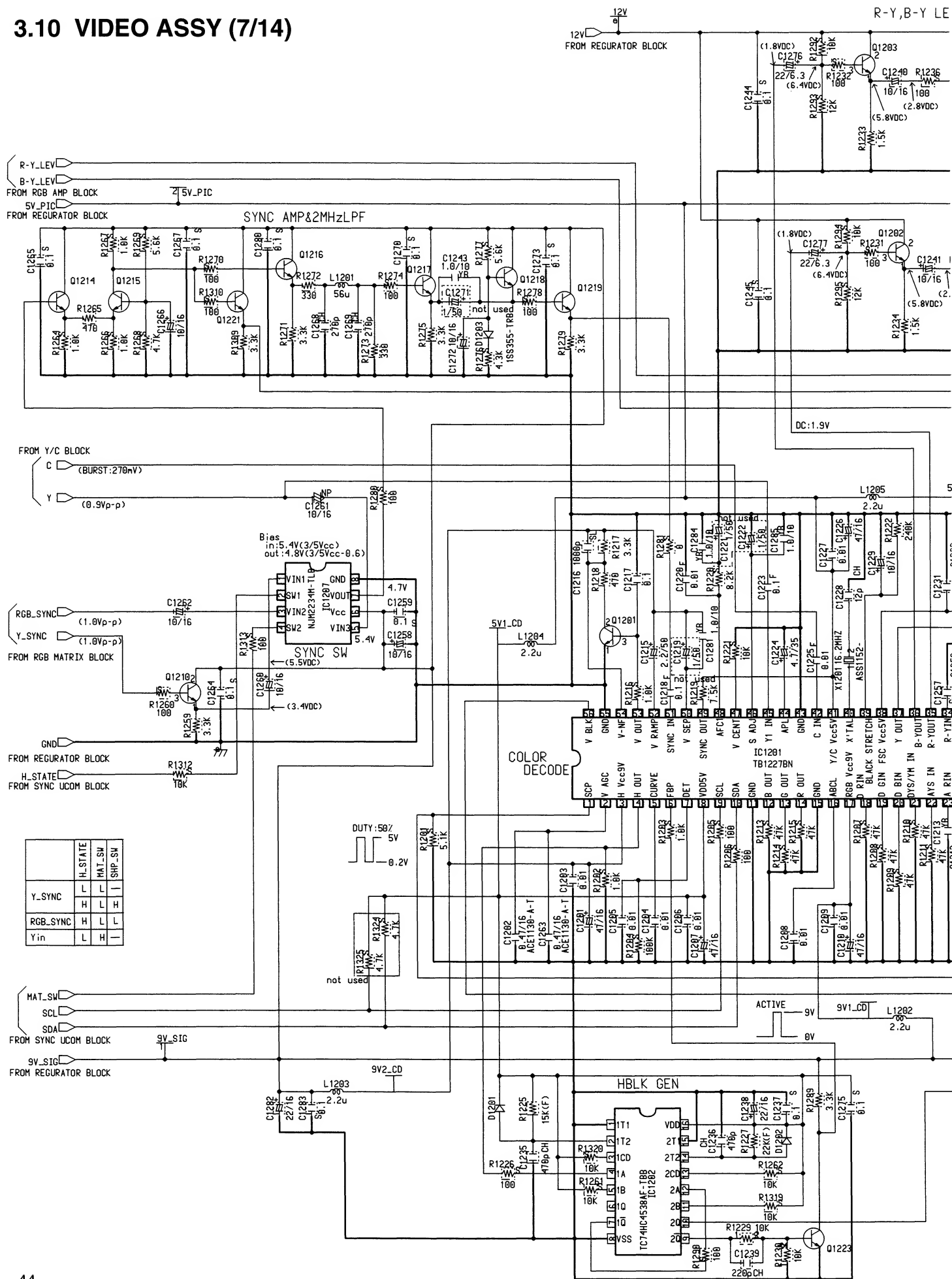


Monitor Model			System Model
PDP-502MX /LUCBW	PDP-505HD /KUC	PDP-502MXE /YVLDK	PDP-502P
AWV1840	AWV1857	AWV1846	AWV1856

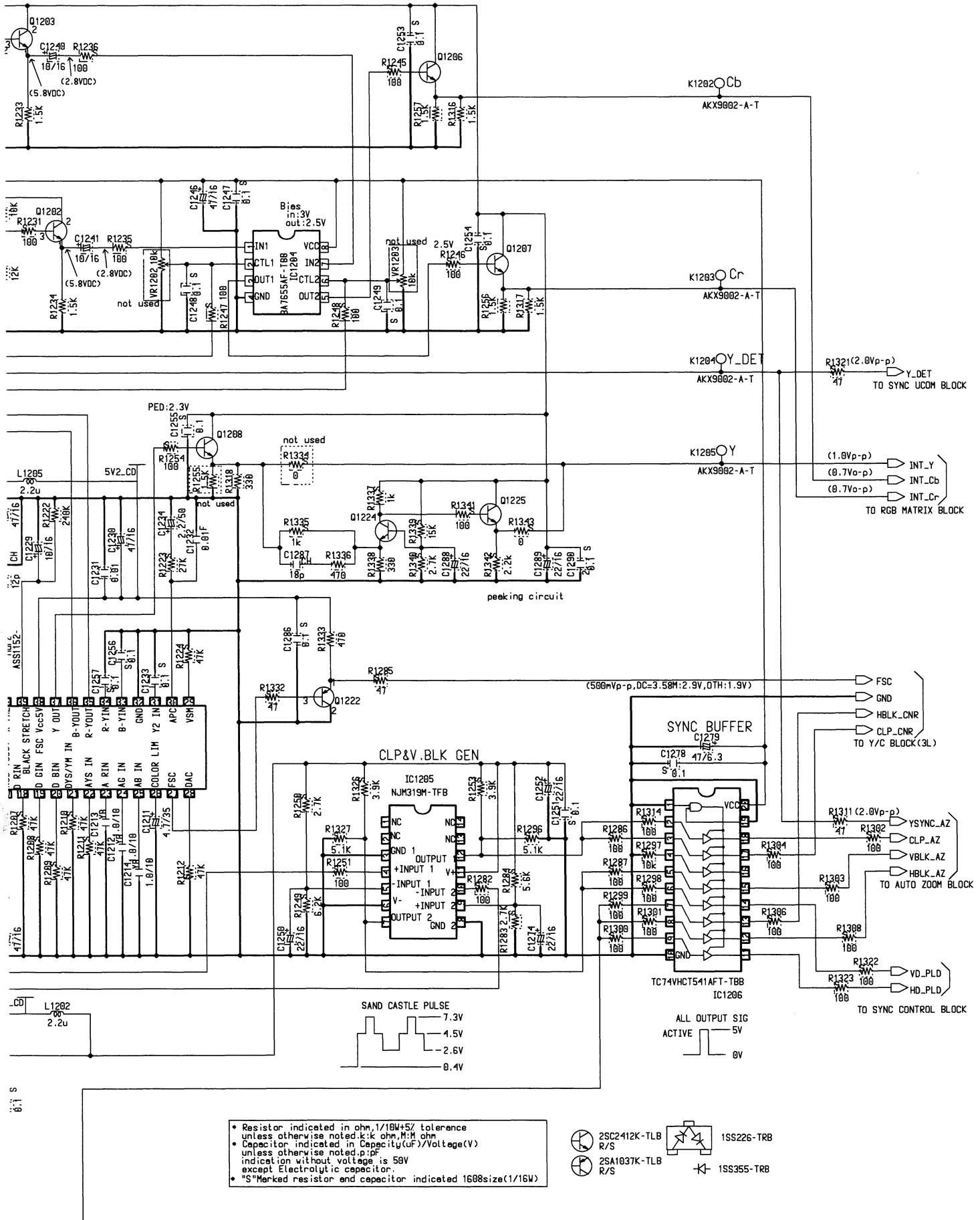




3.10 VIDEO ASSY (7/14)

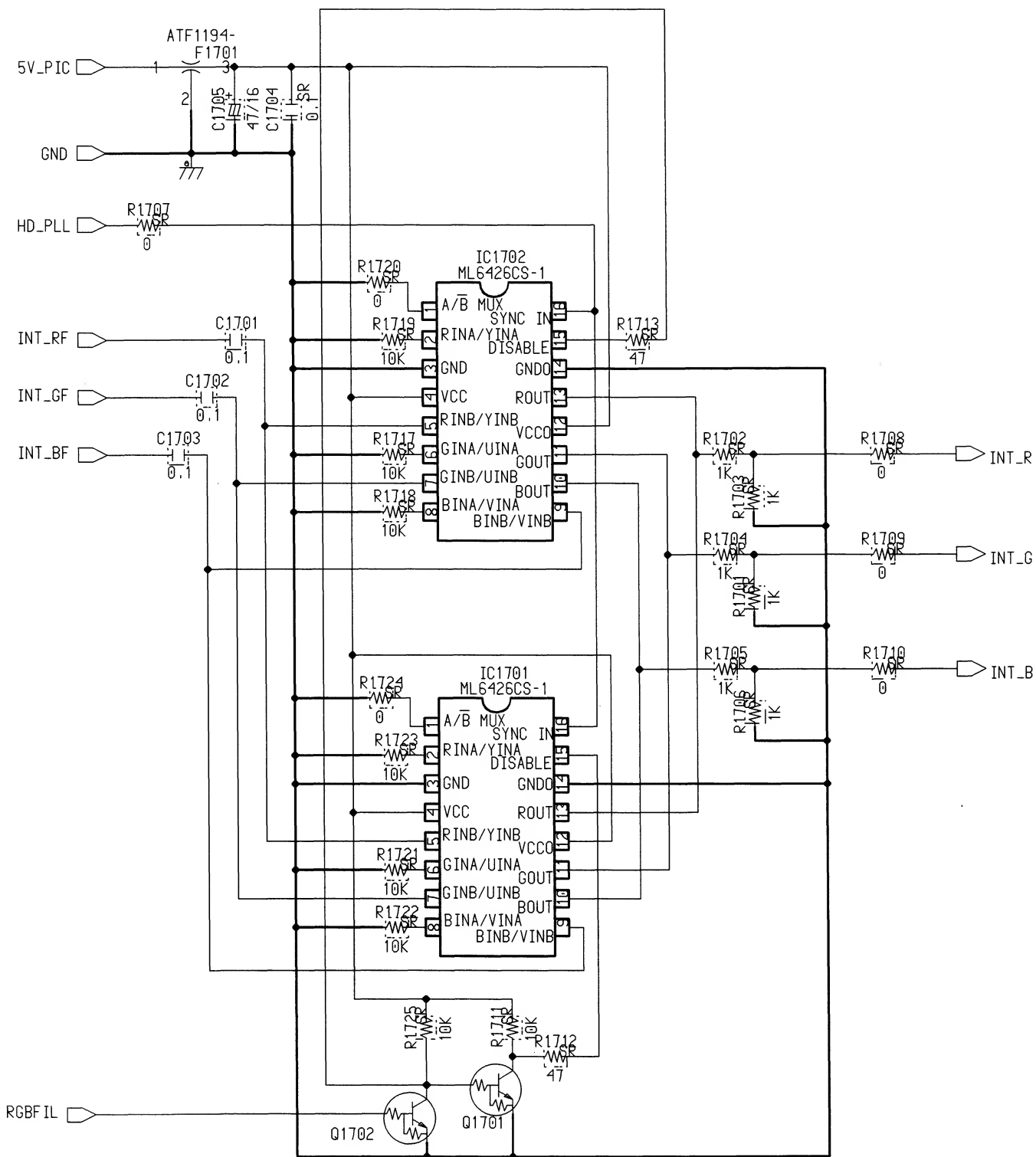


R-Y,B-Y LEVEL ADJUST

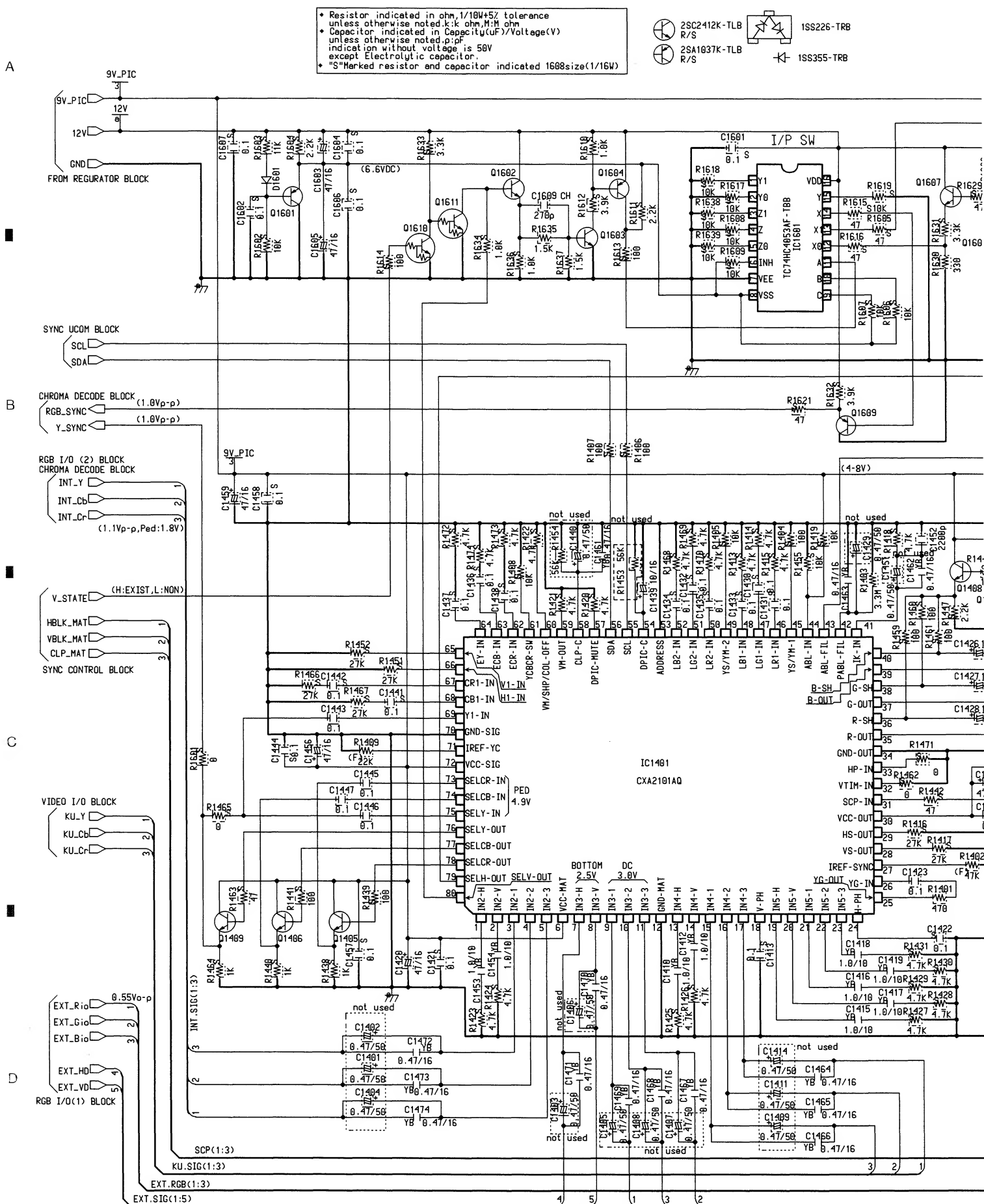


PDP-502MX, PDP-502MXE

3.11 VIDEO ASSY (8/14)

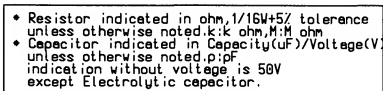


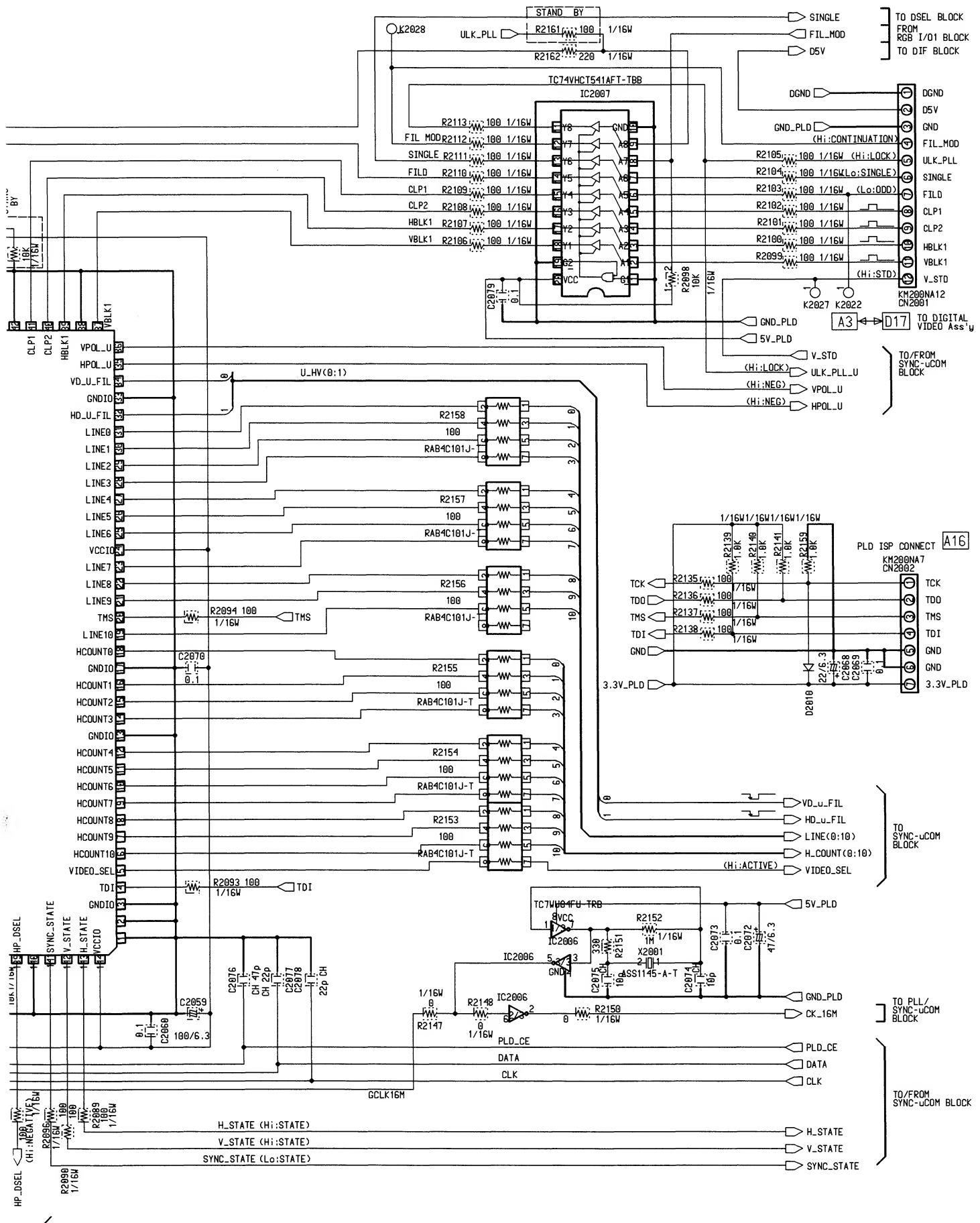
48



D

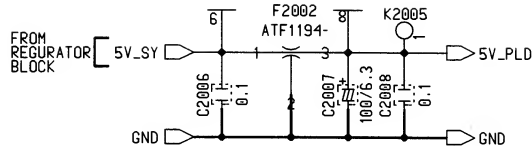
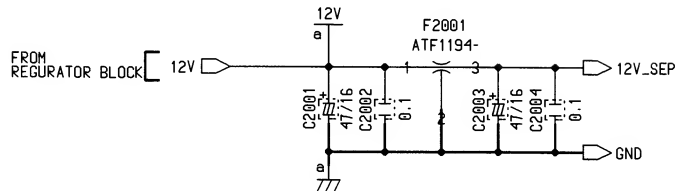




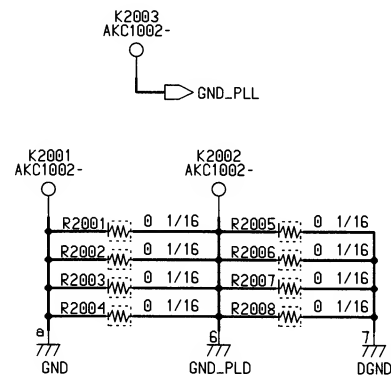
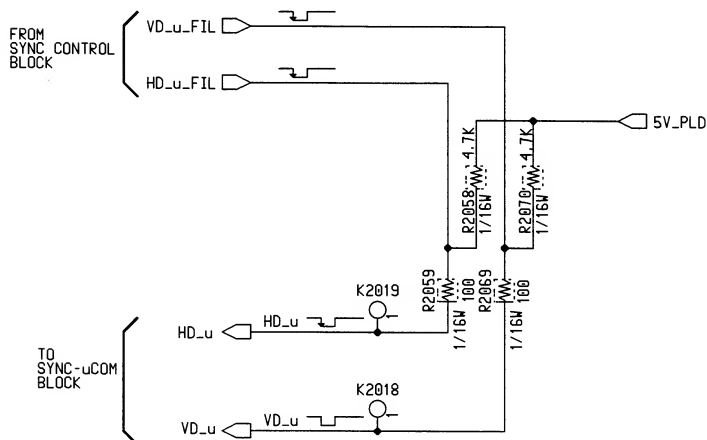


3.14 VIDEO ASSY (11/14)

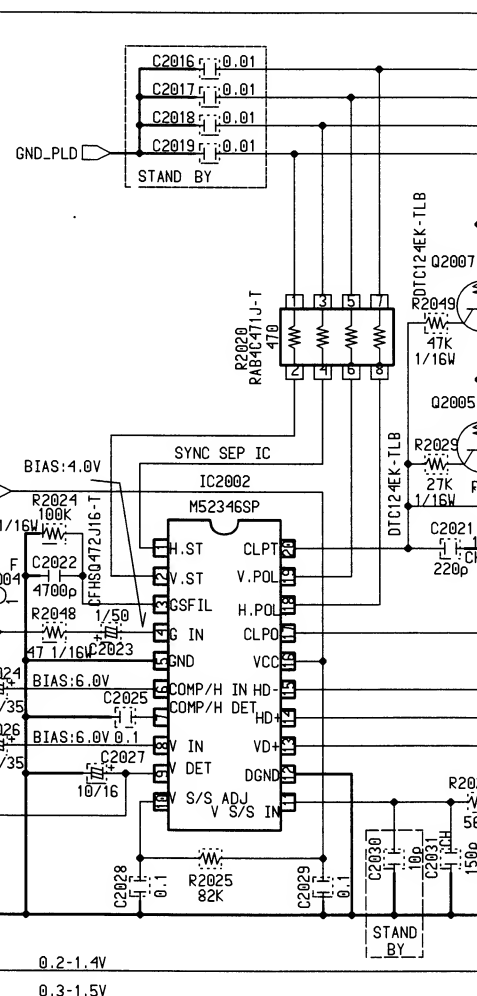
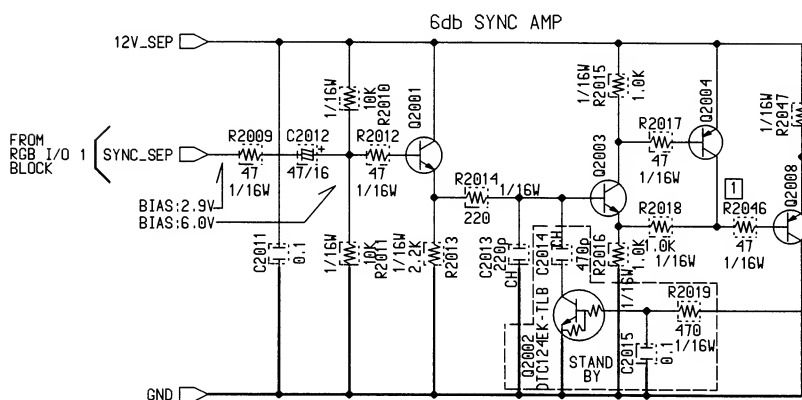
A



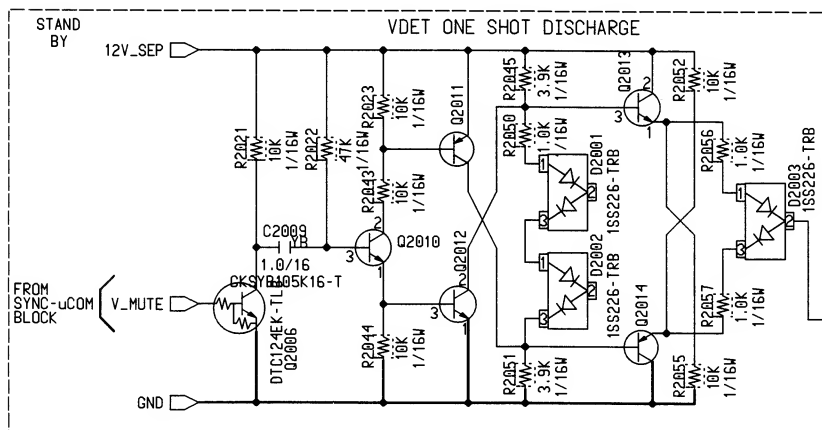
B



C



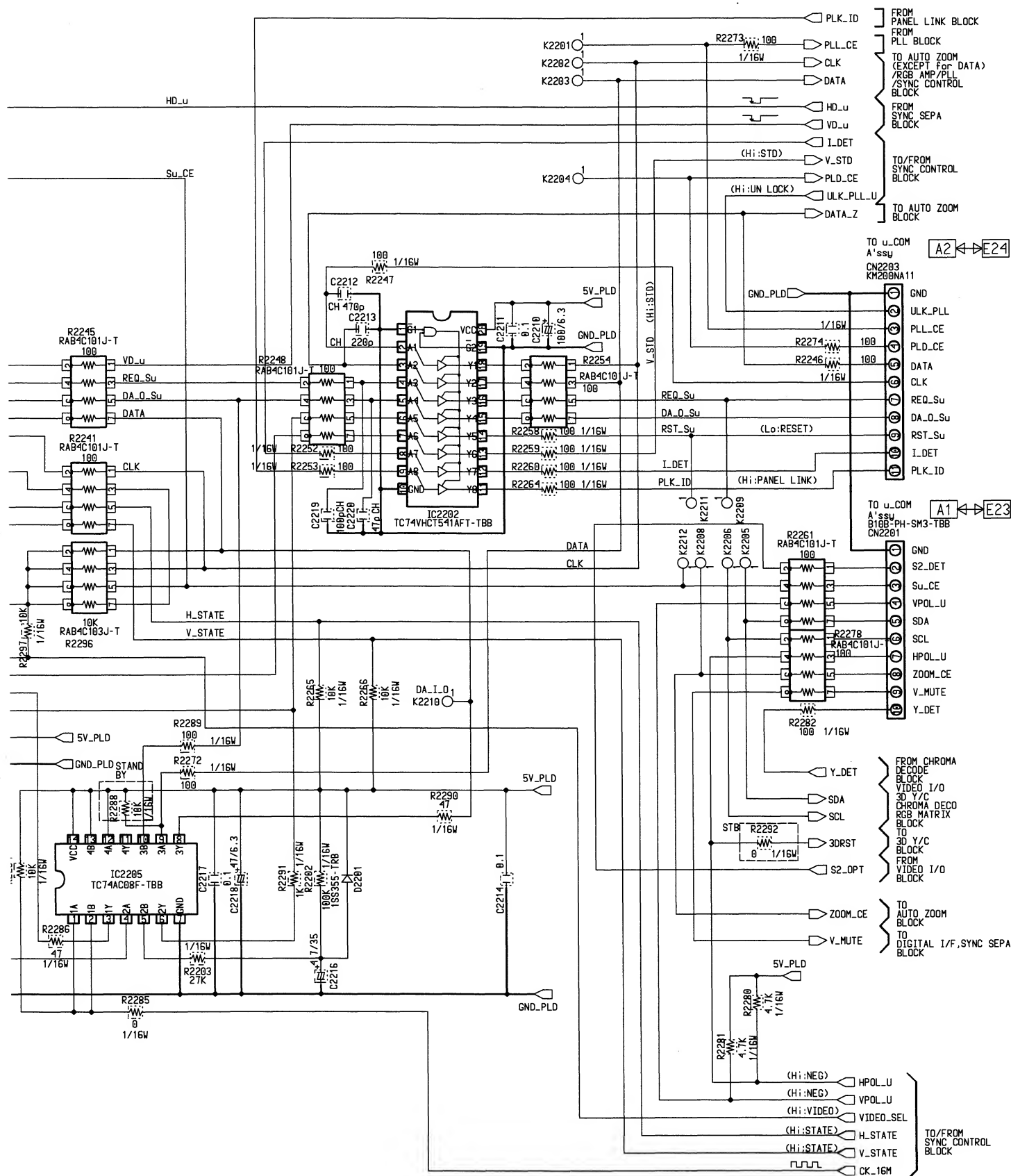
D



○ AKX9002-A-T
 ⚡ 1SS355-TRB



55



PDP-502MX, PDP-502MXE

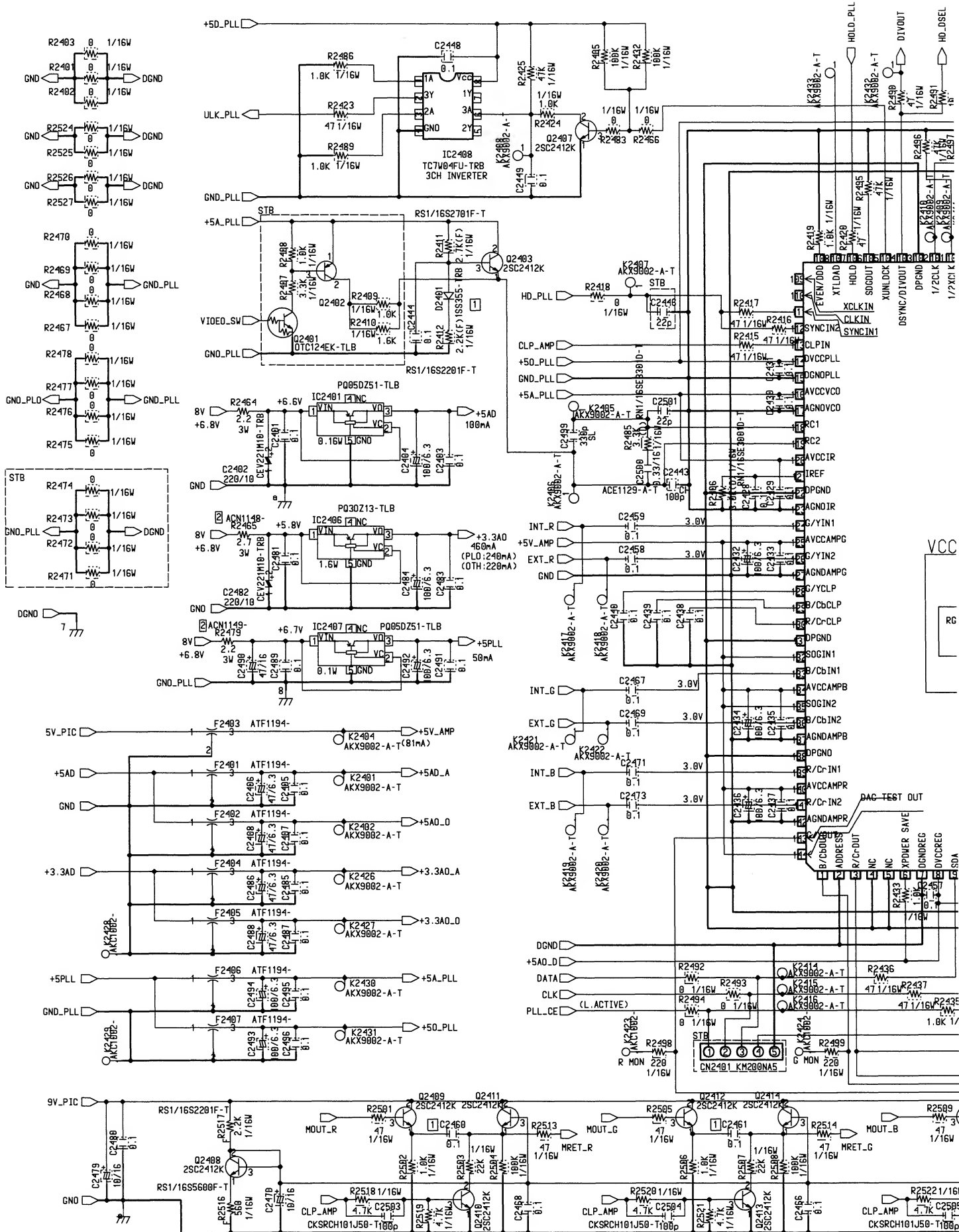
3.16 VIDEO ASSY (13/14)

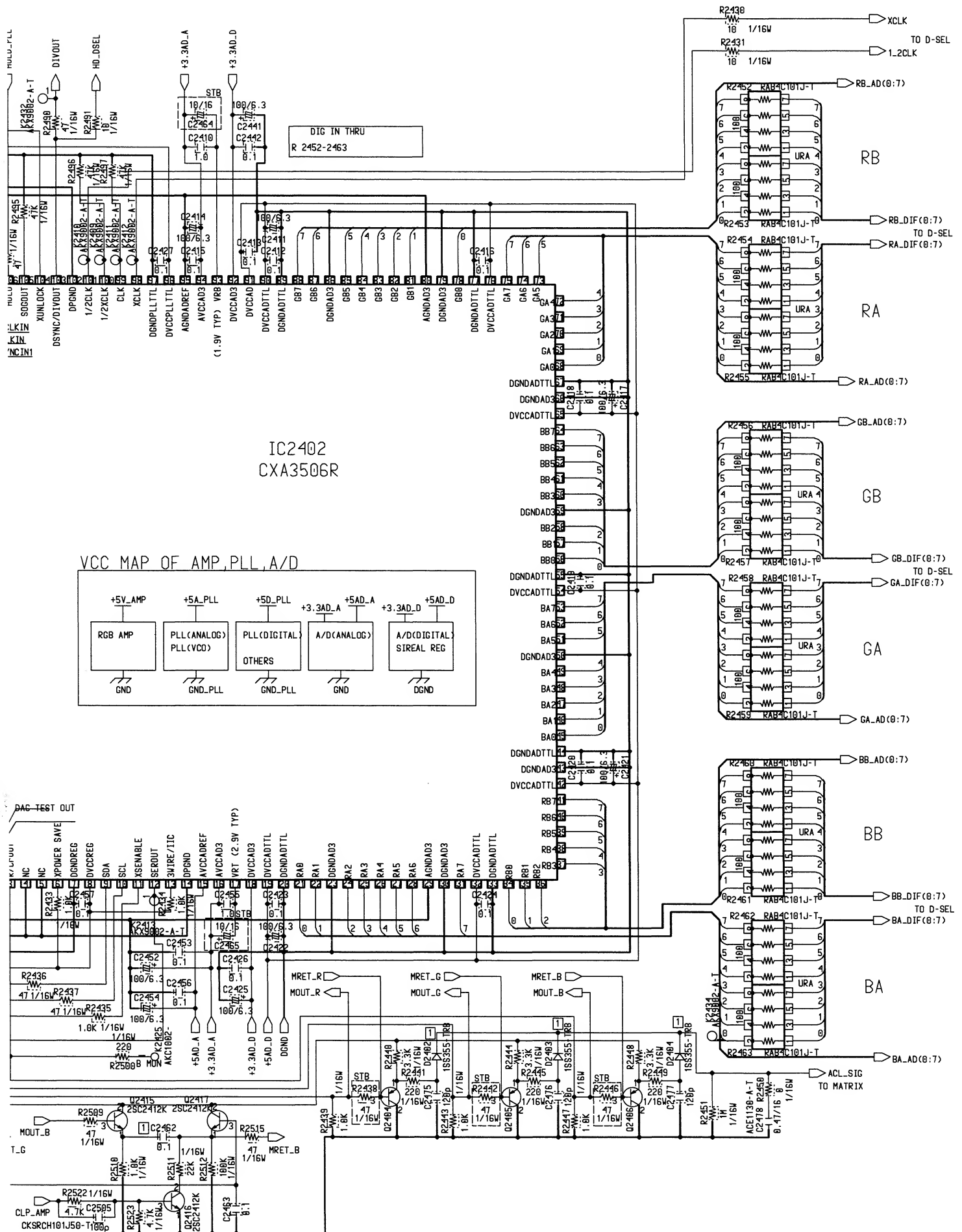
A

B

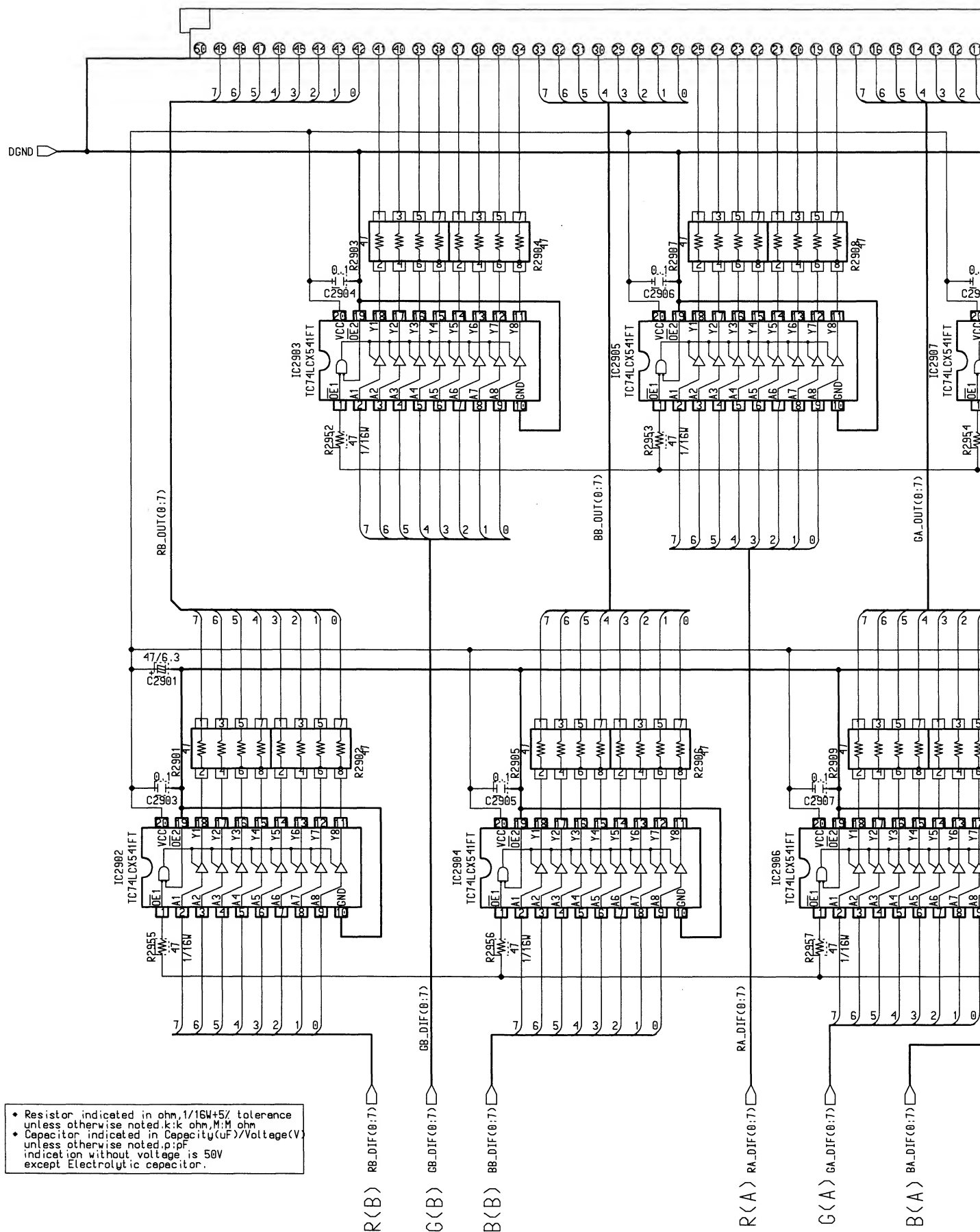
C

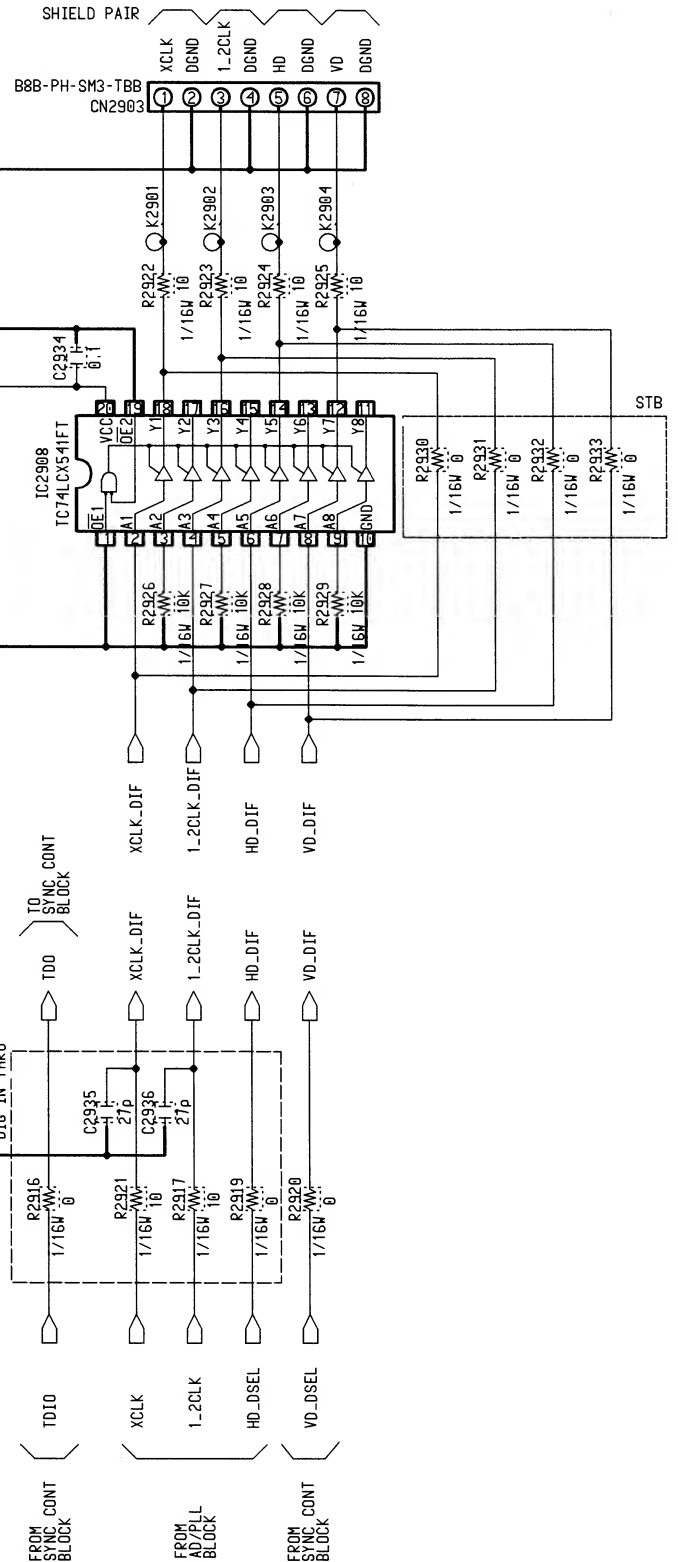
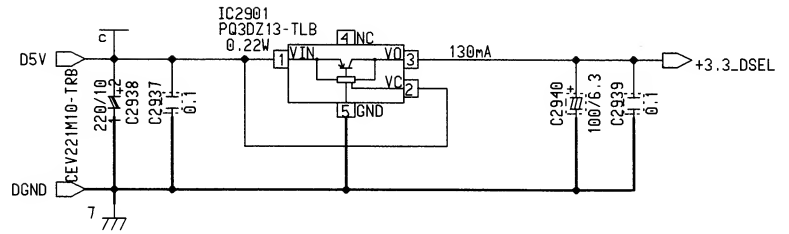
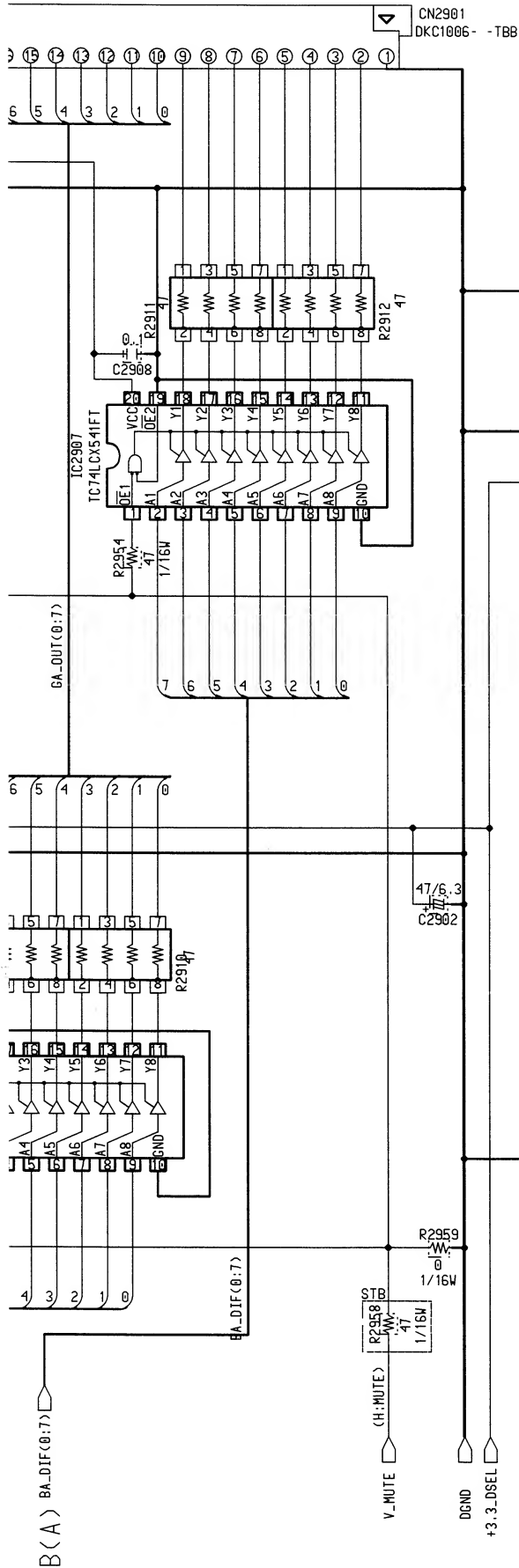
D



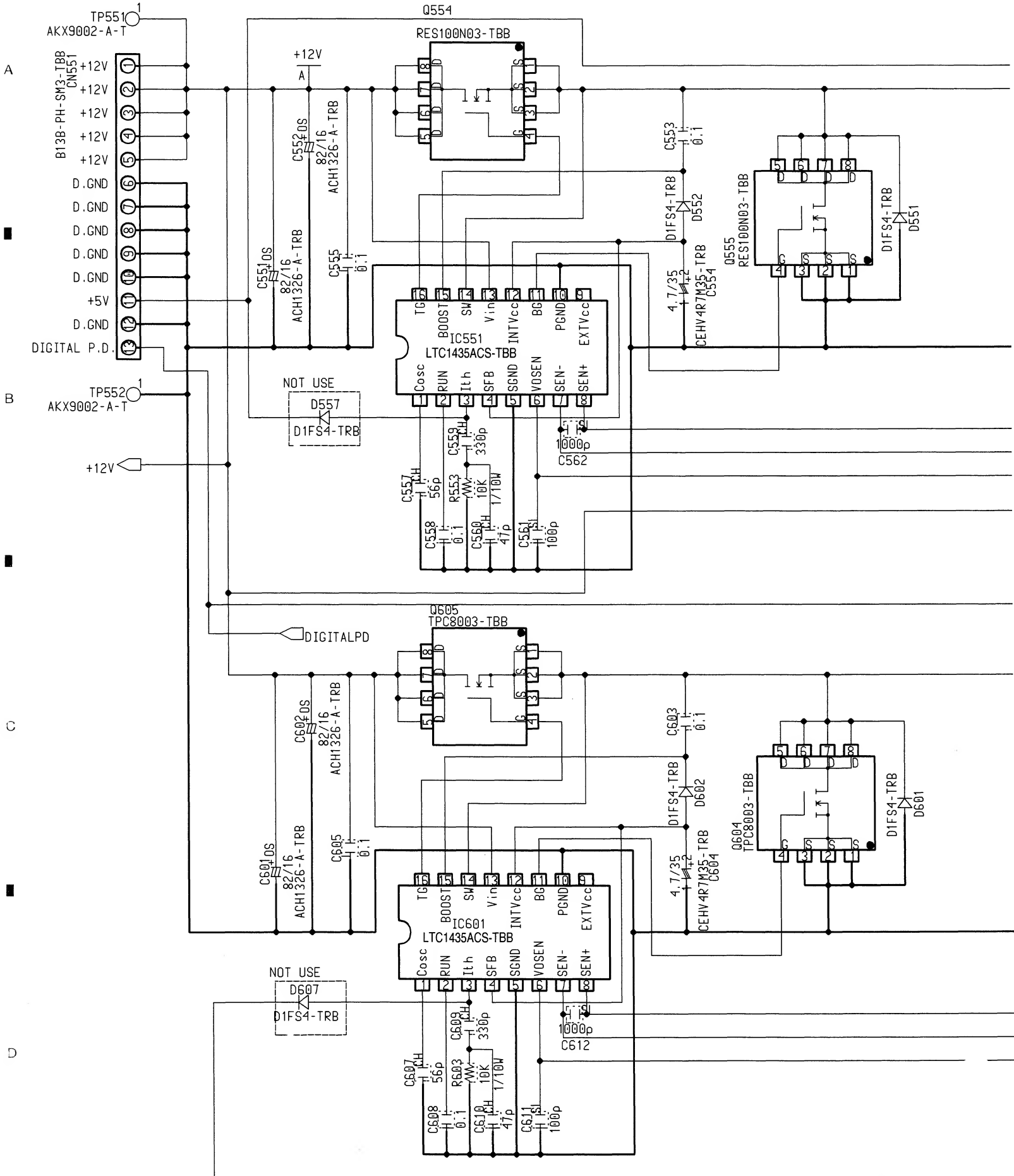


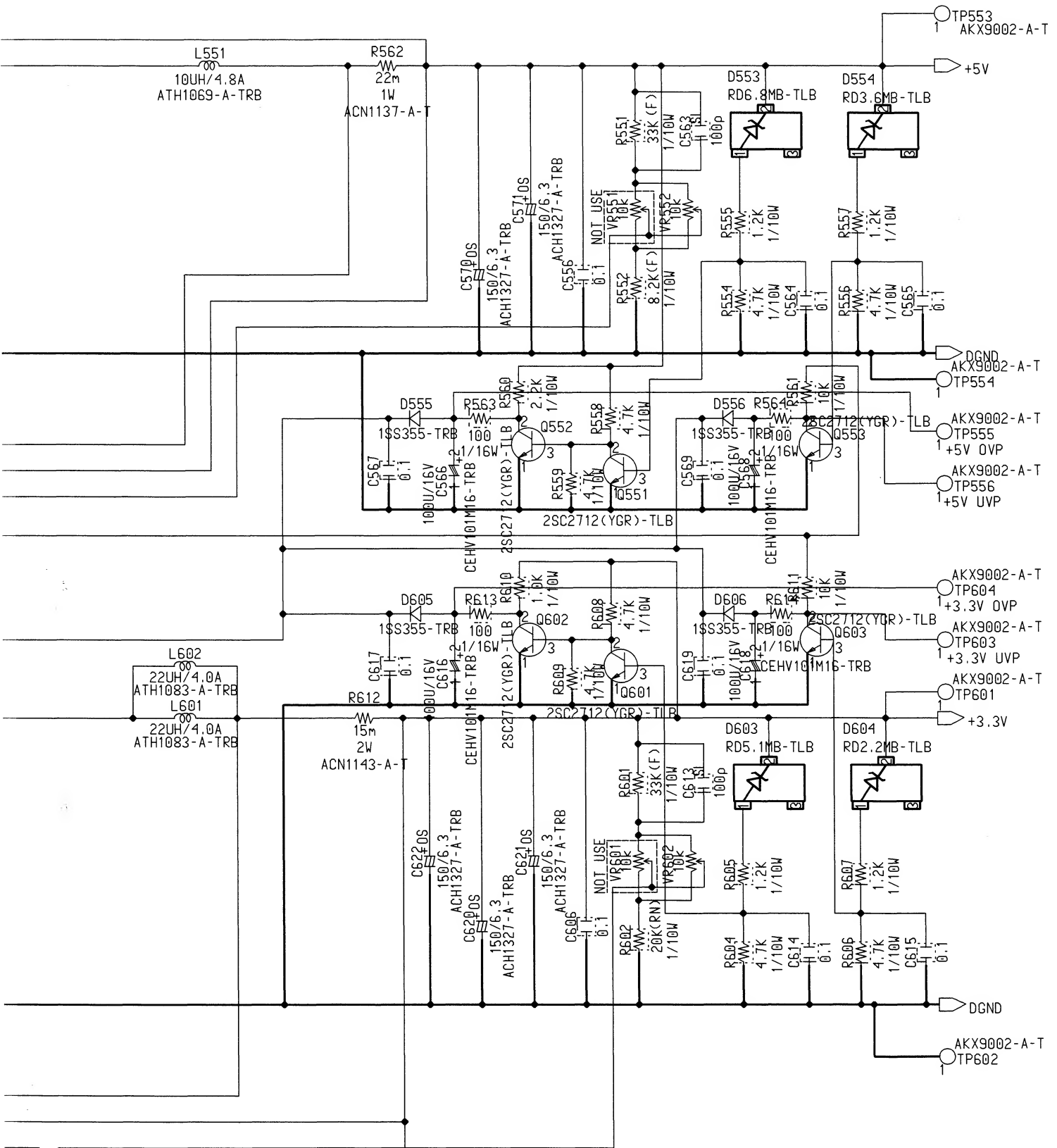
3.17 VIDEO ASSY (14/14)



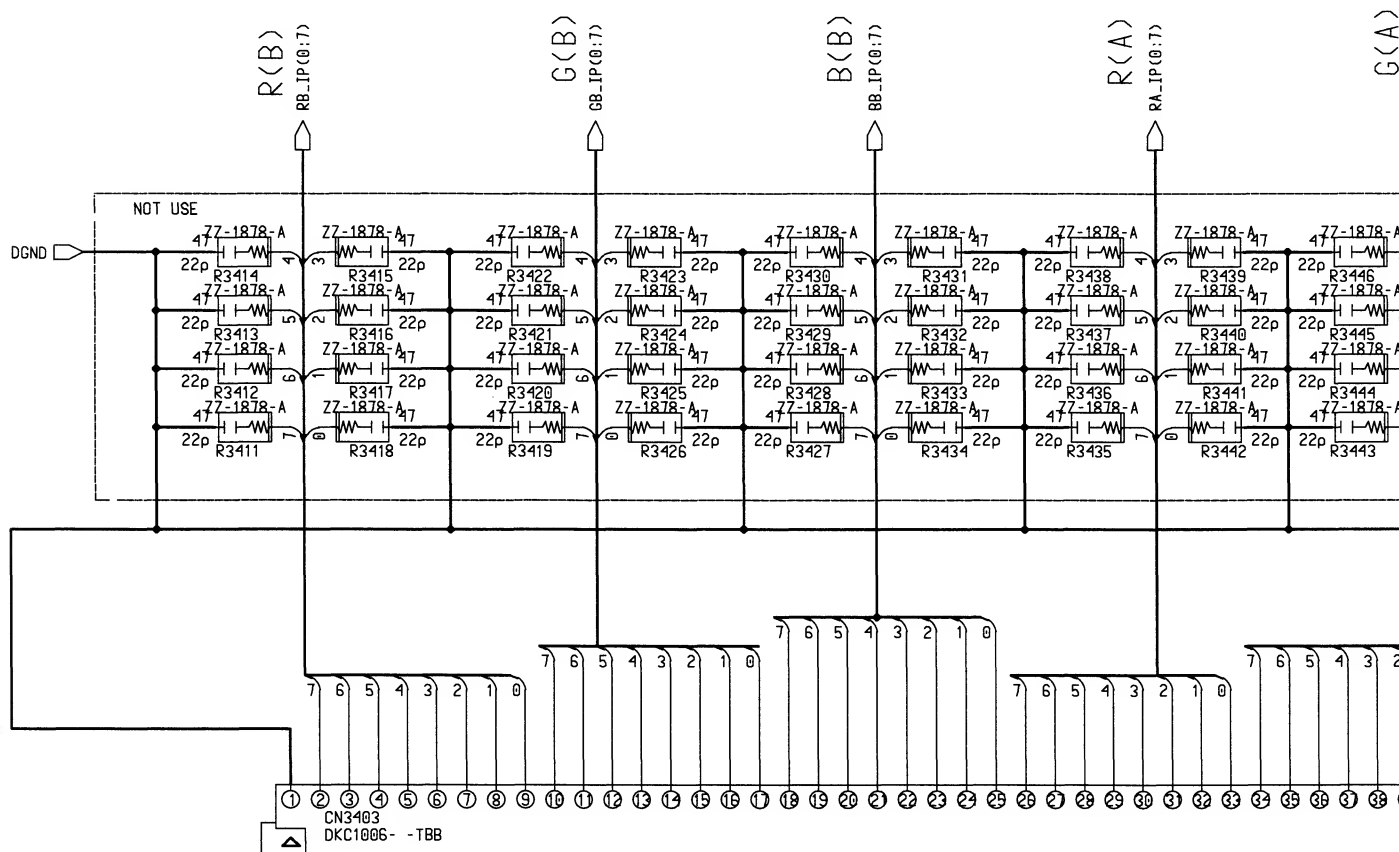
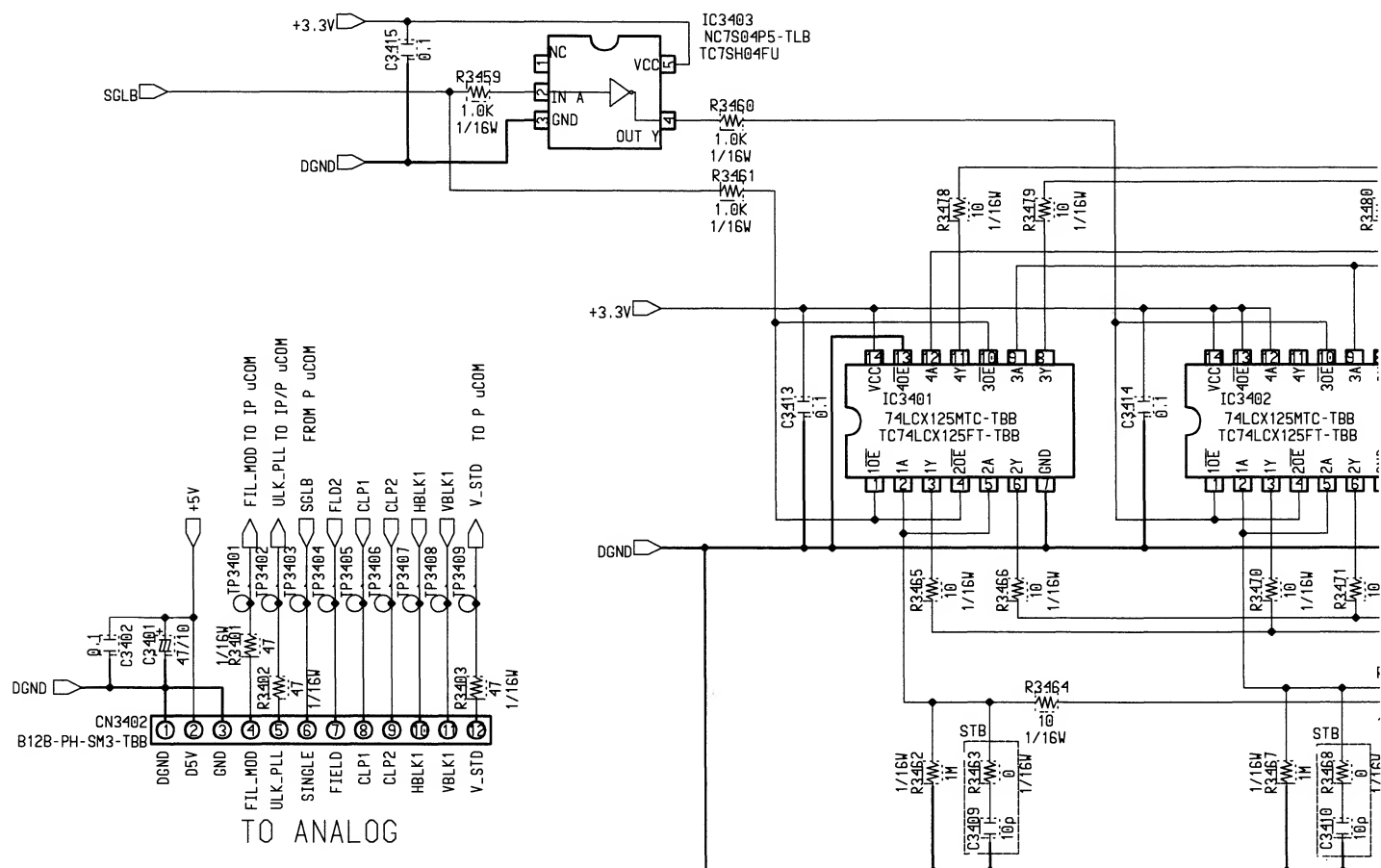


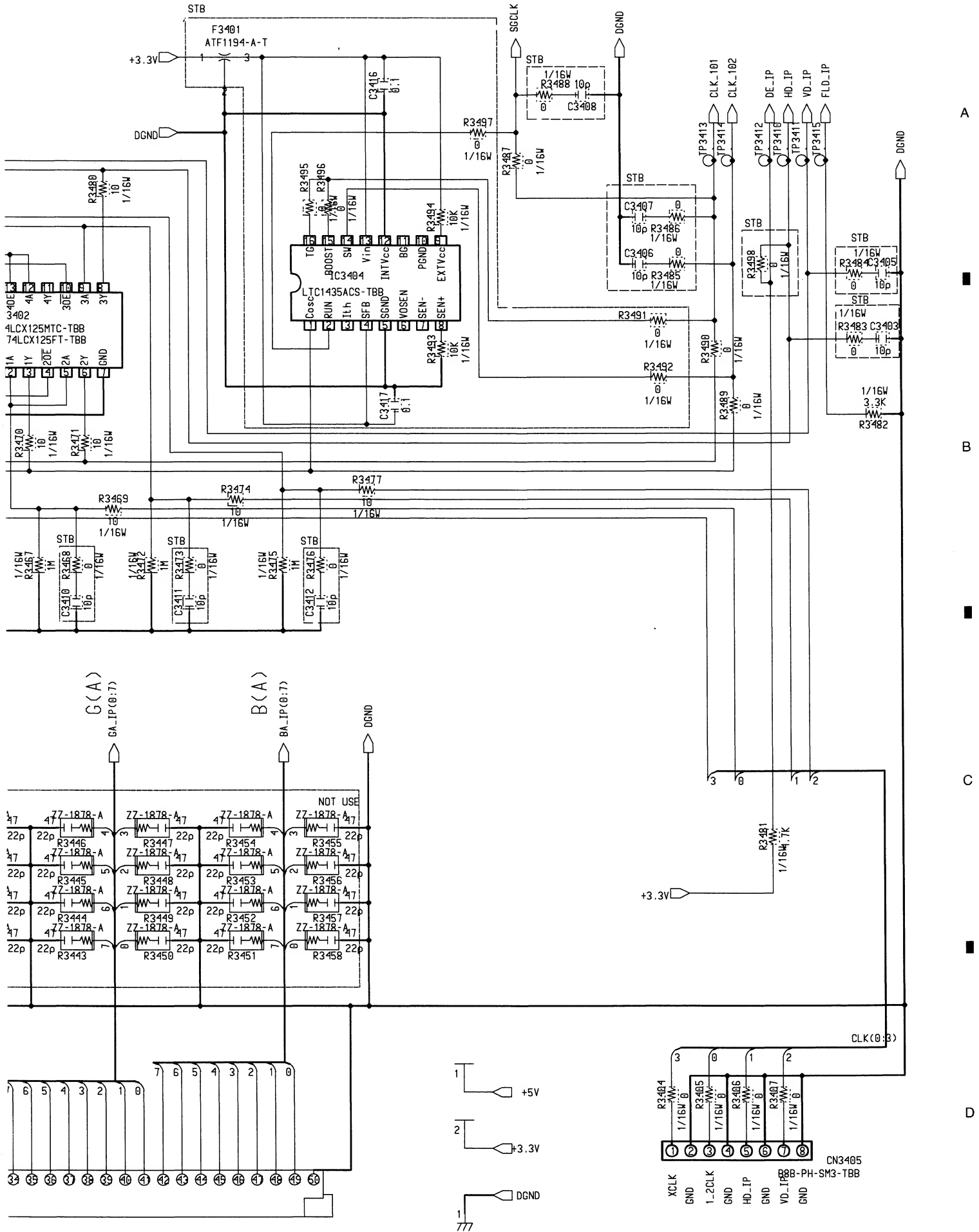
3.18 DIGITAL VIDEO ASSY (1/22)





3.19 DIGITAL VIDEO ASSY (2/22)









To
IPQ_SGRAM

To/From
TPQ_UCOMRES_IPIC ☐

1

RD_IP

HWR_IP

CS-101



FILM-IP 

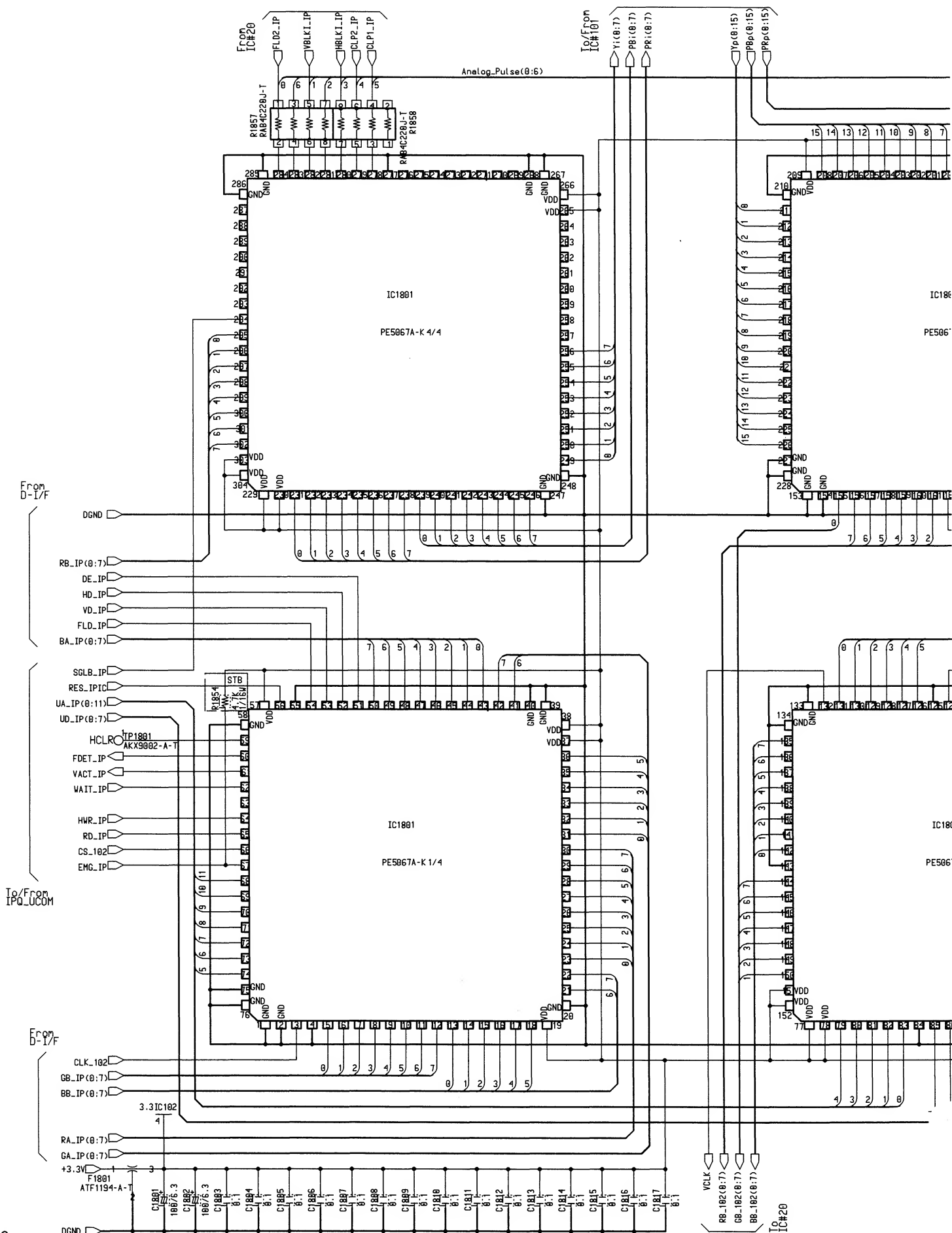
IP(0:11)

```

-IP(0:7)

```

□

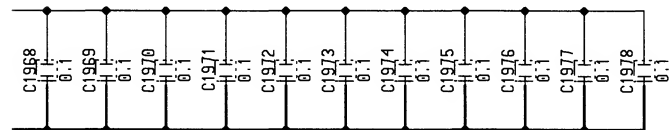
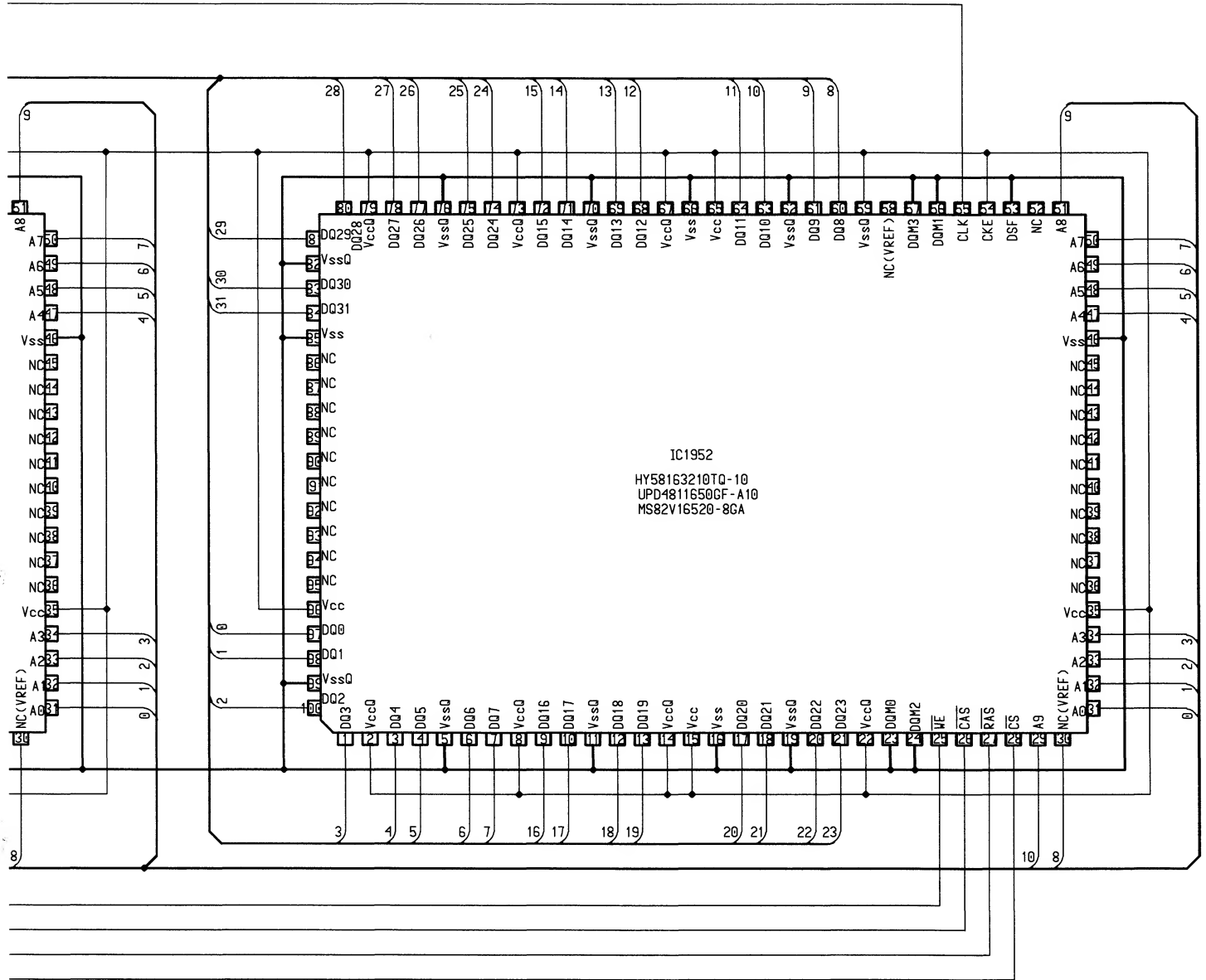




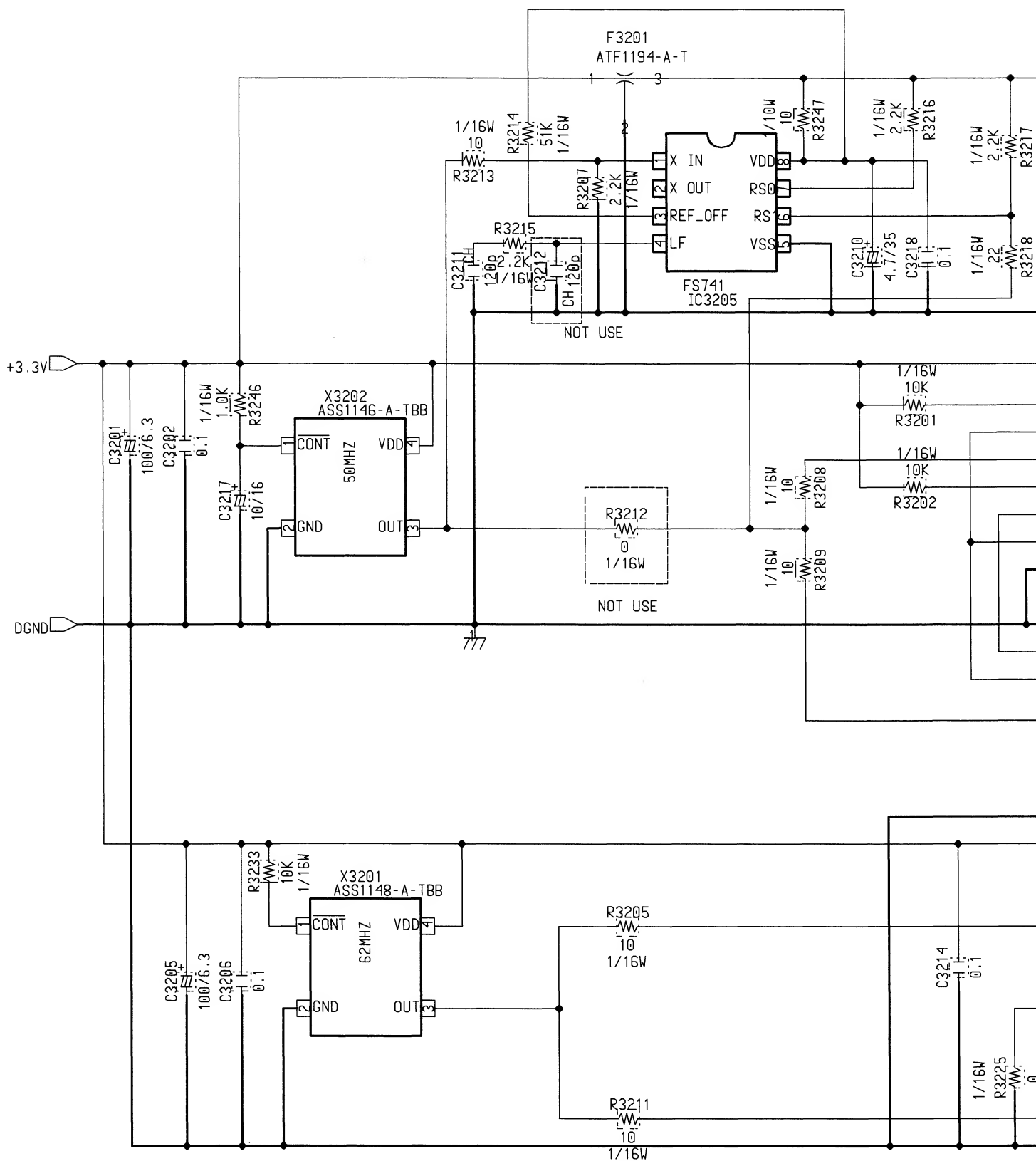




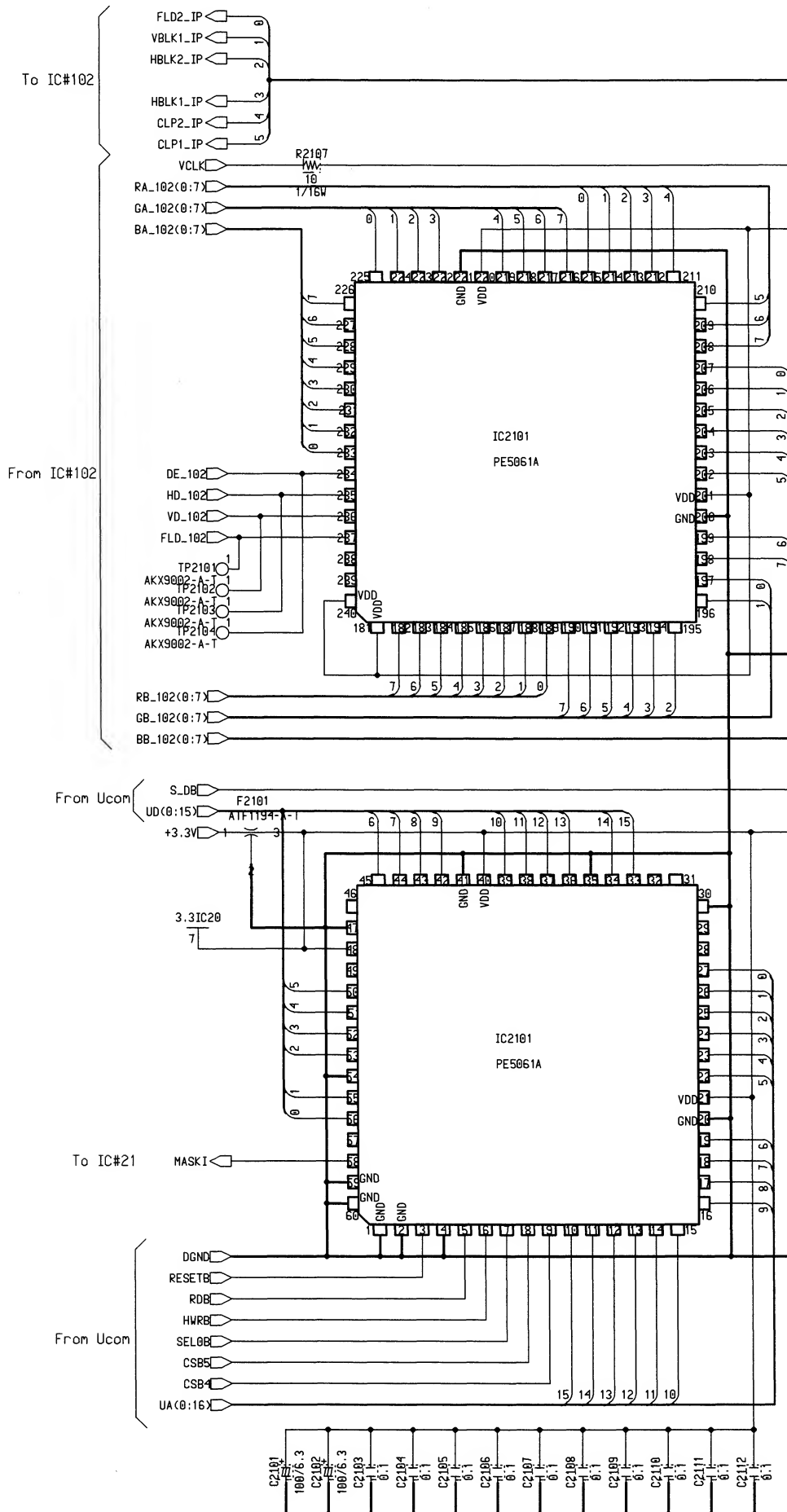




3.24 DIGITAL VIDEO ASSY (7/22)



3.25 DIGITAL VIDEO ASSY (8/22)

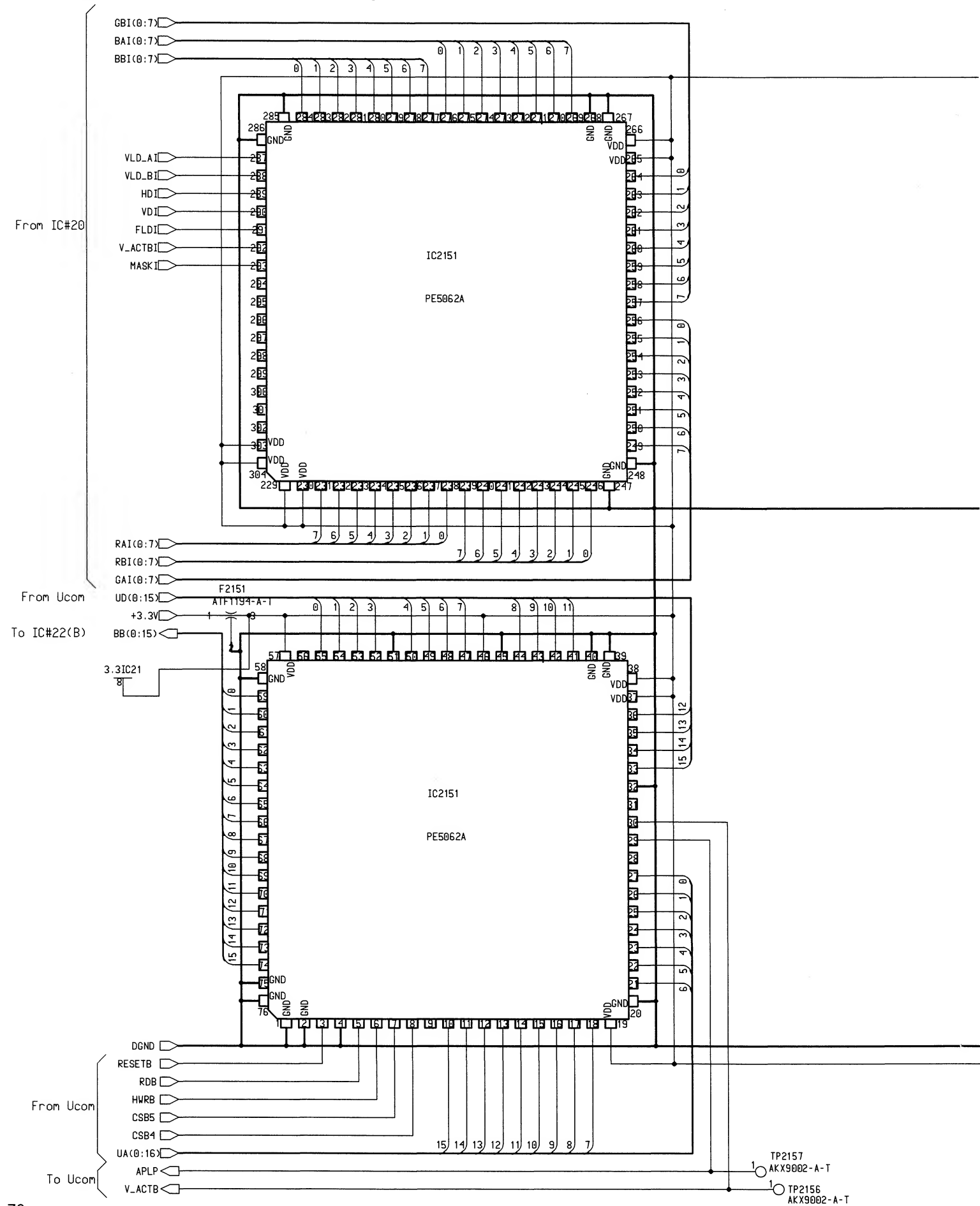


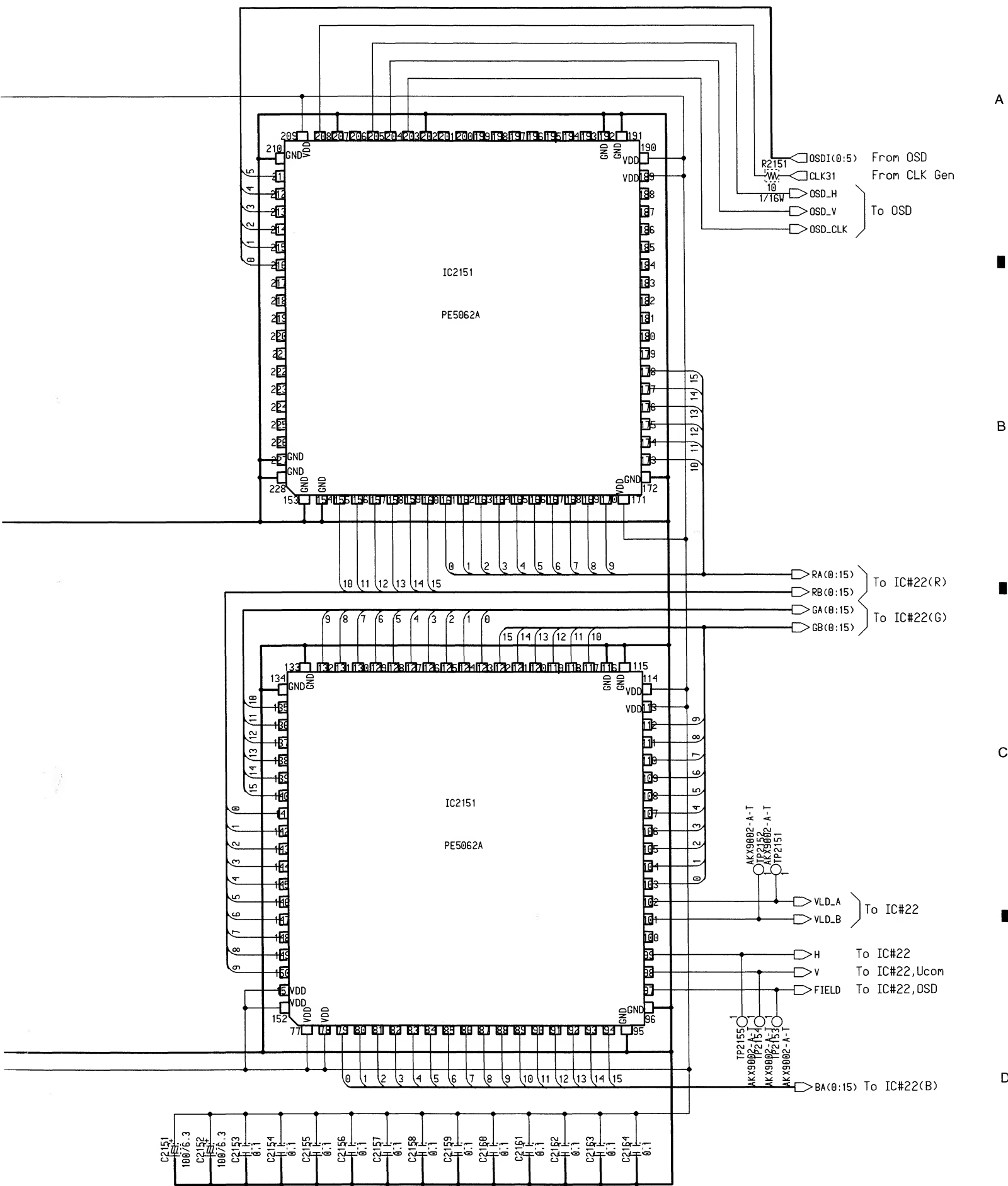


9

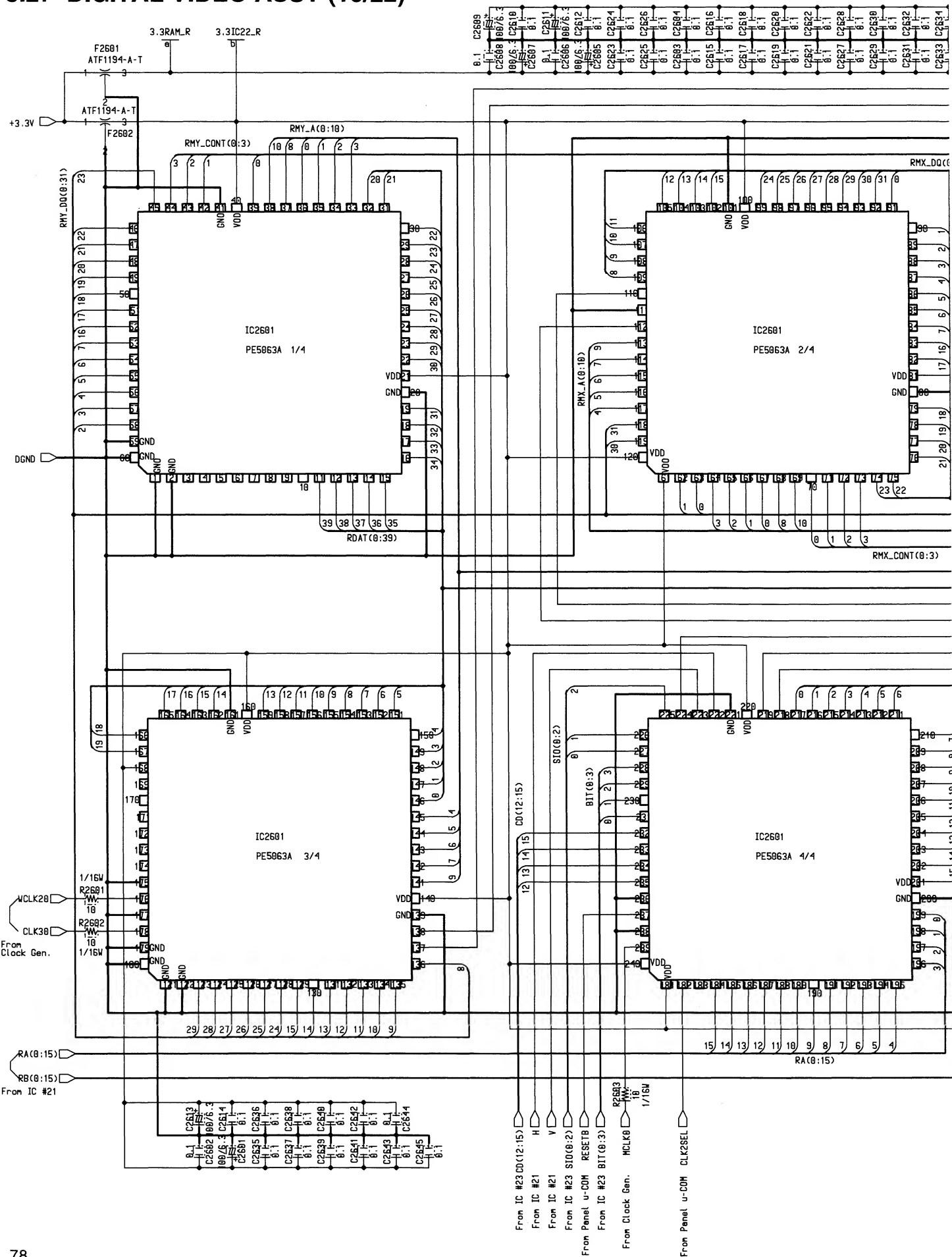
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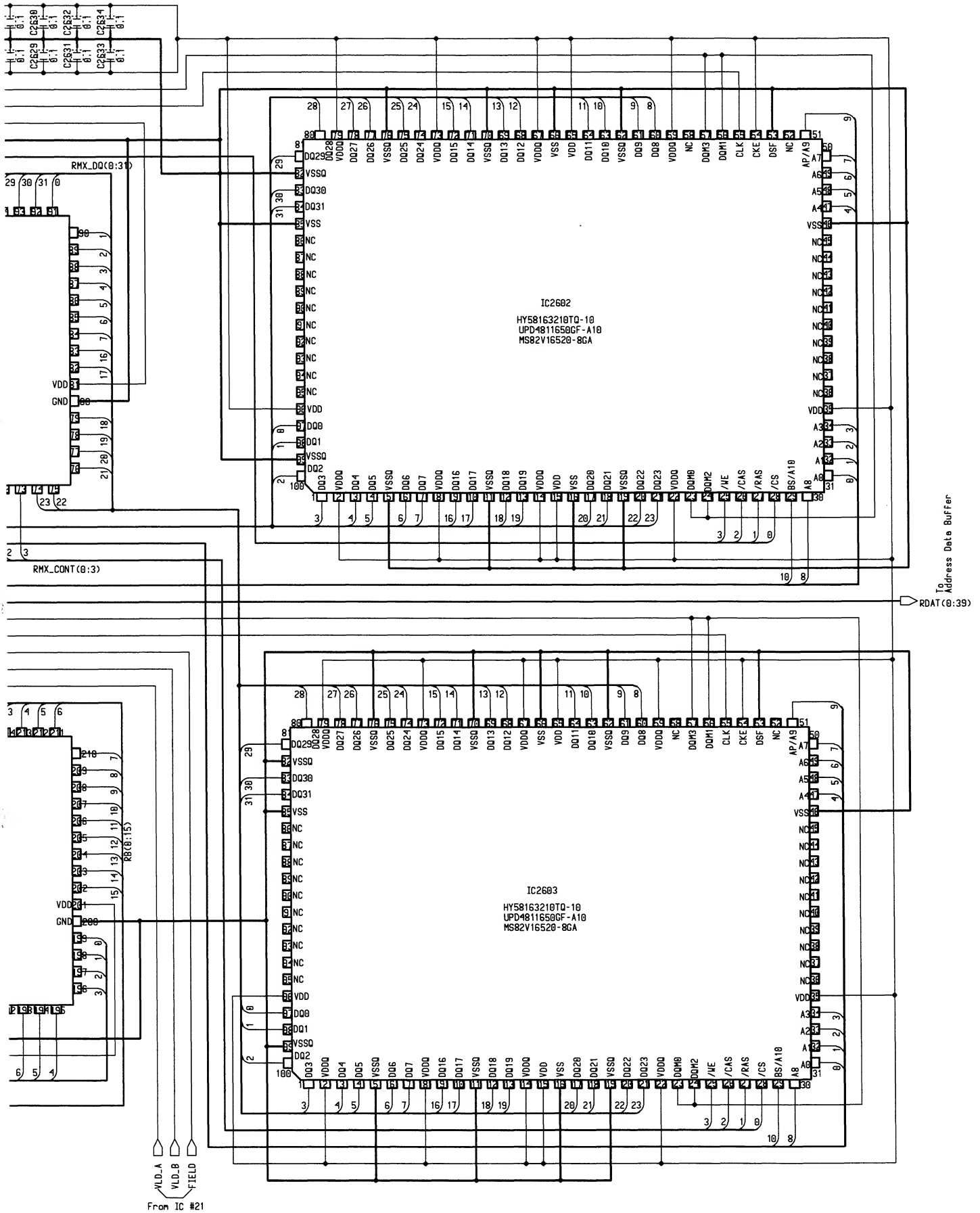
3.26 DIGITAL VIDEO ASSY (9/22)





3.27 DIGITAL VIDEO ASSY (10/22)





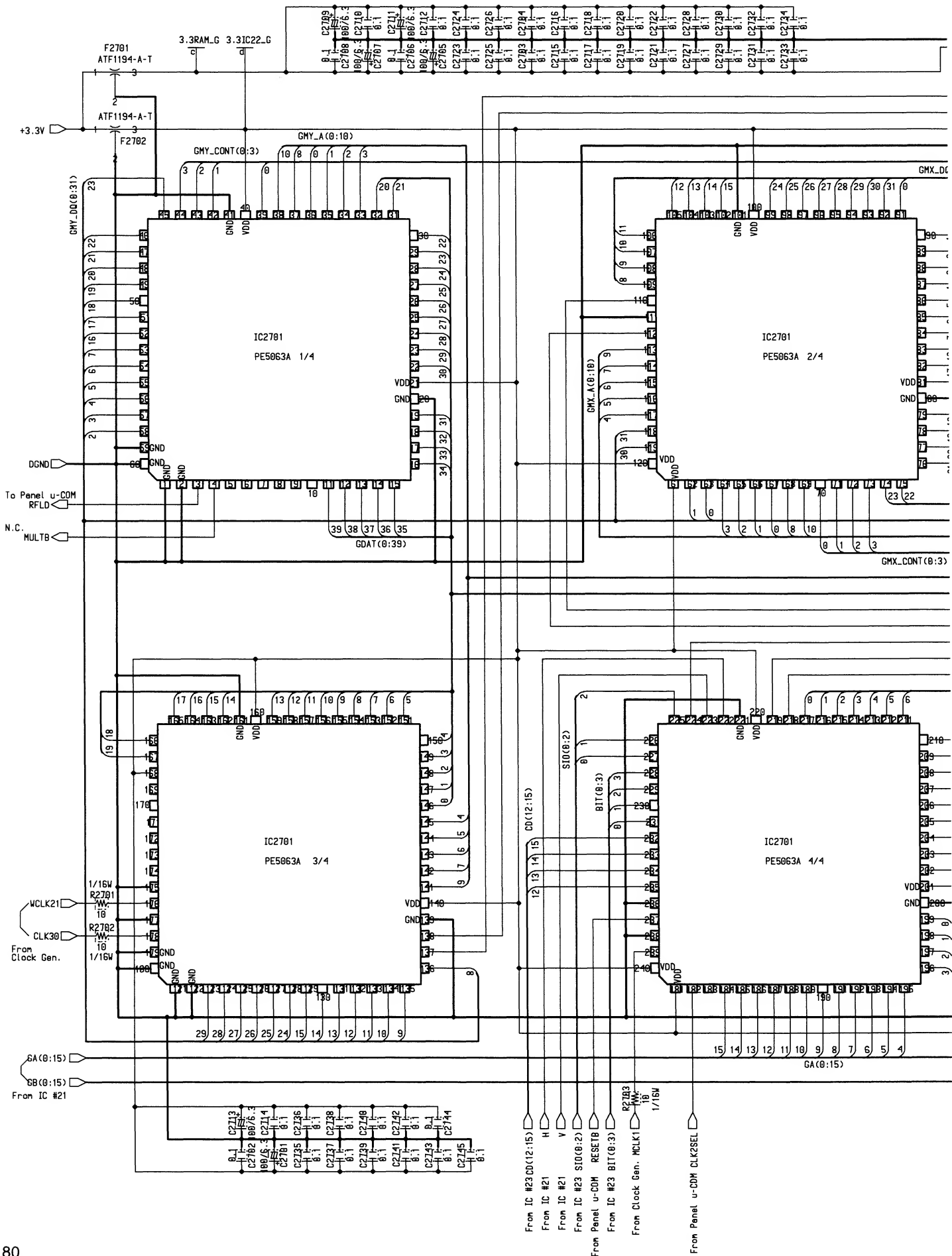
3.28 DIGITAL VIDEO ASSY (11/22)

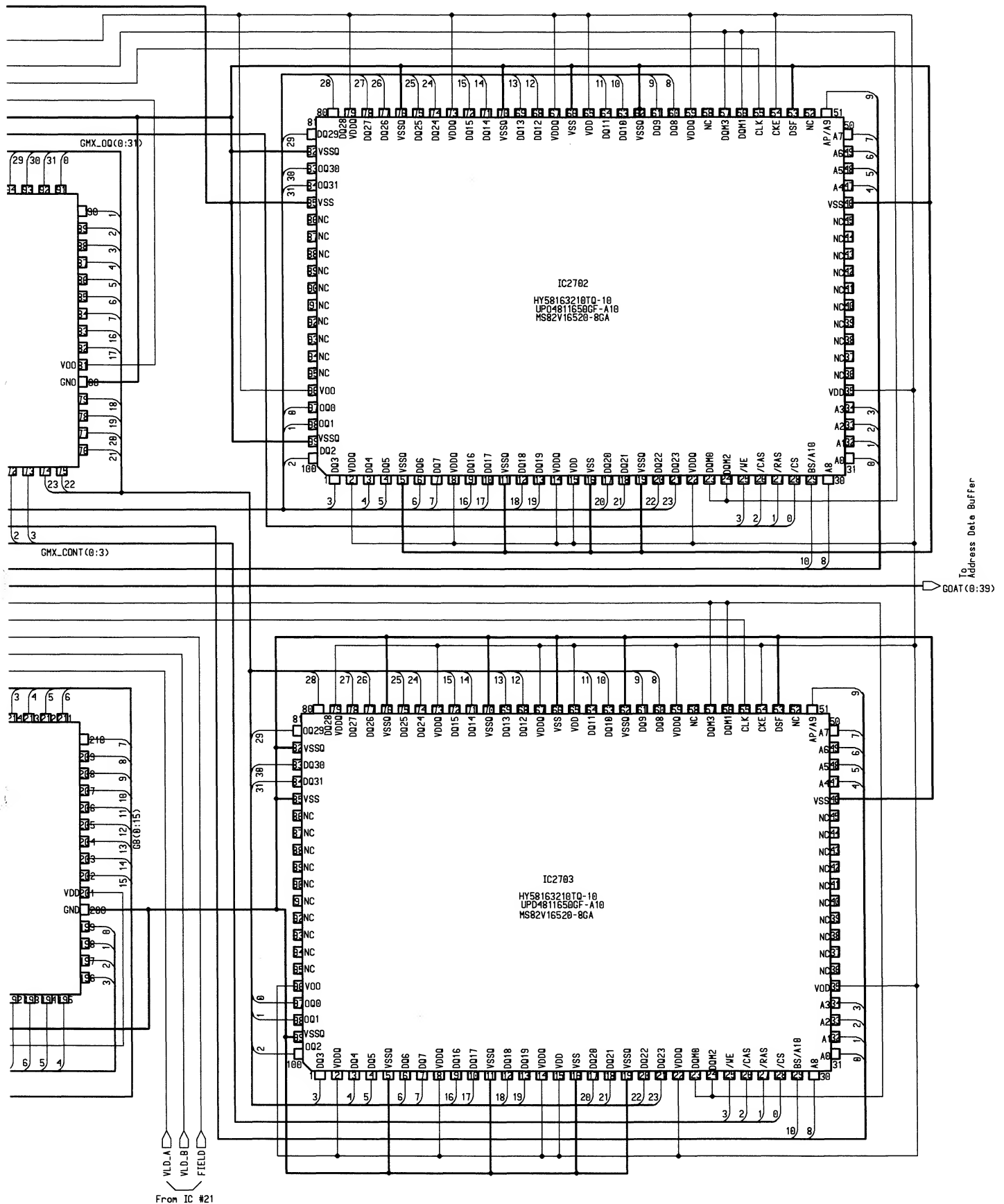
A

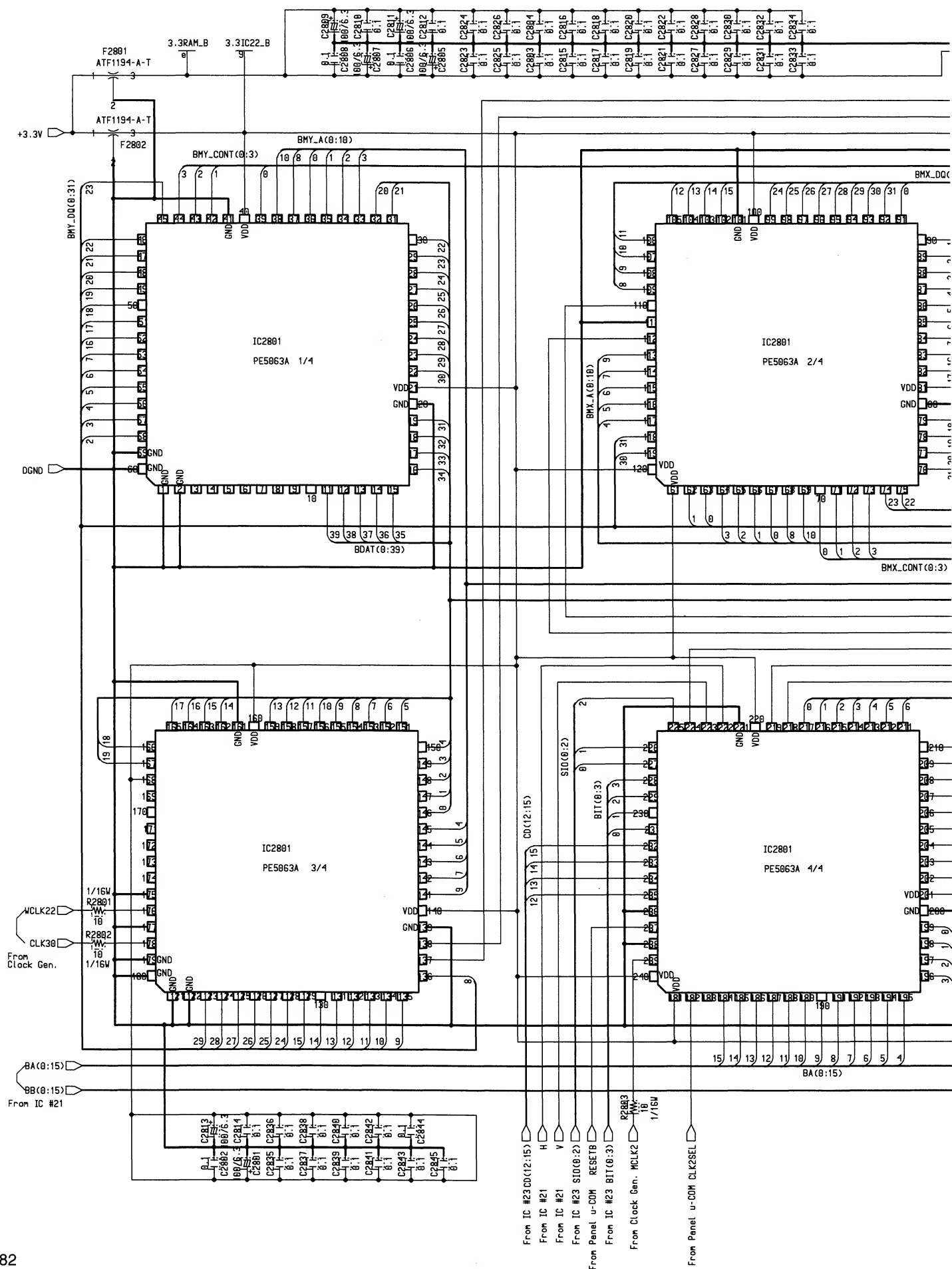
B

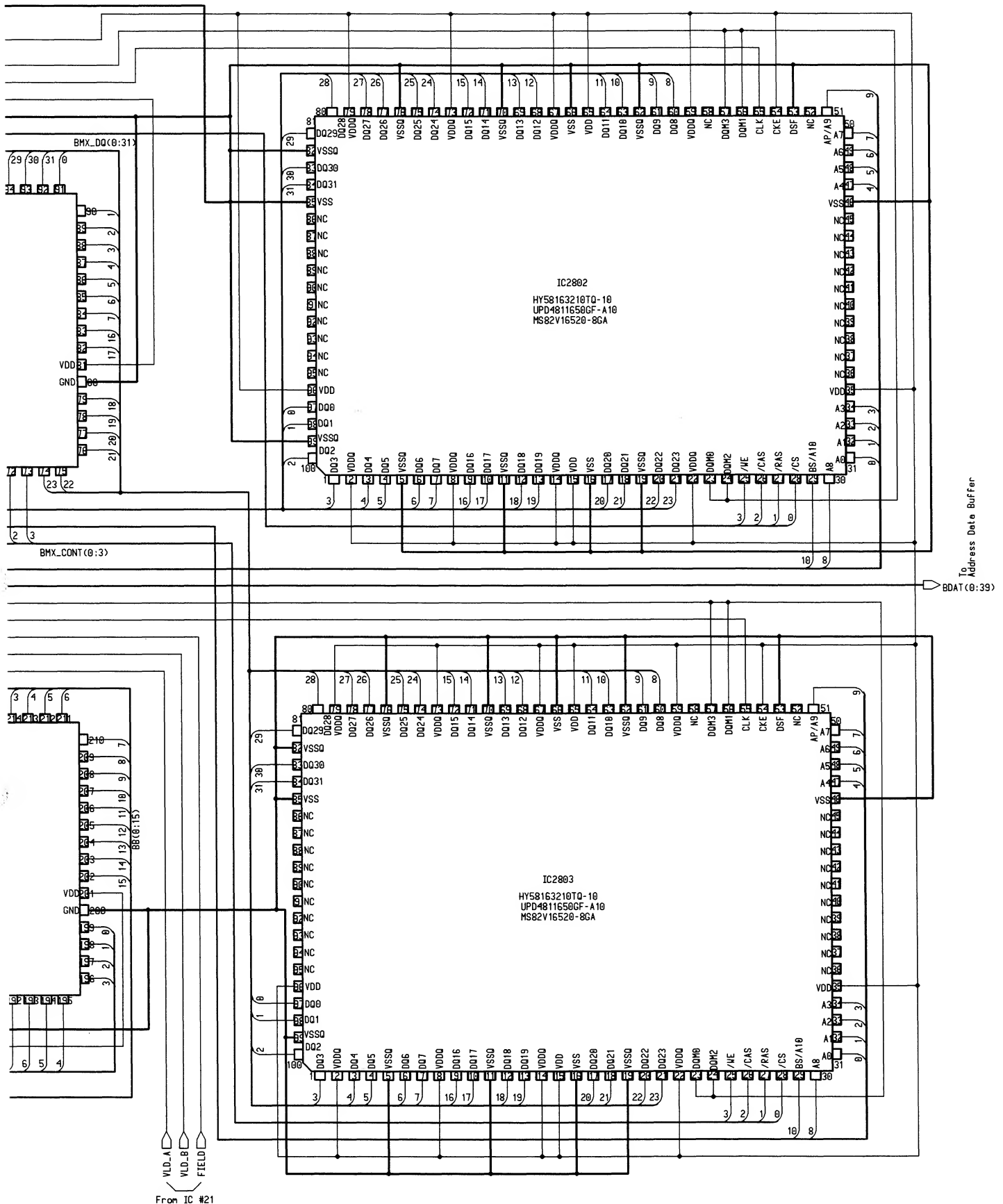
C

D

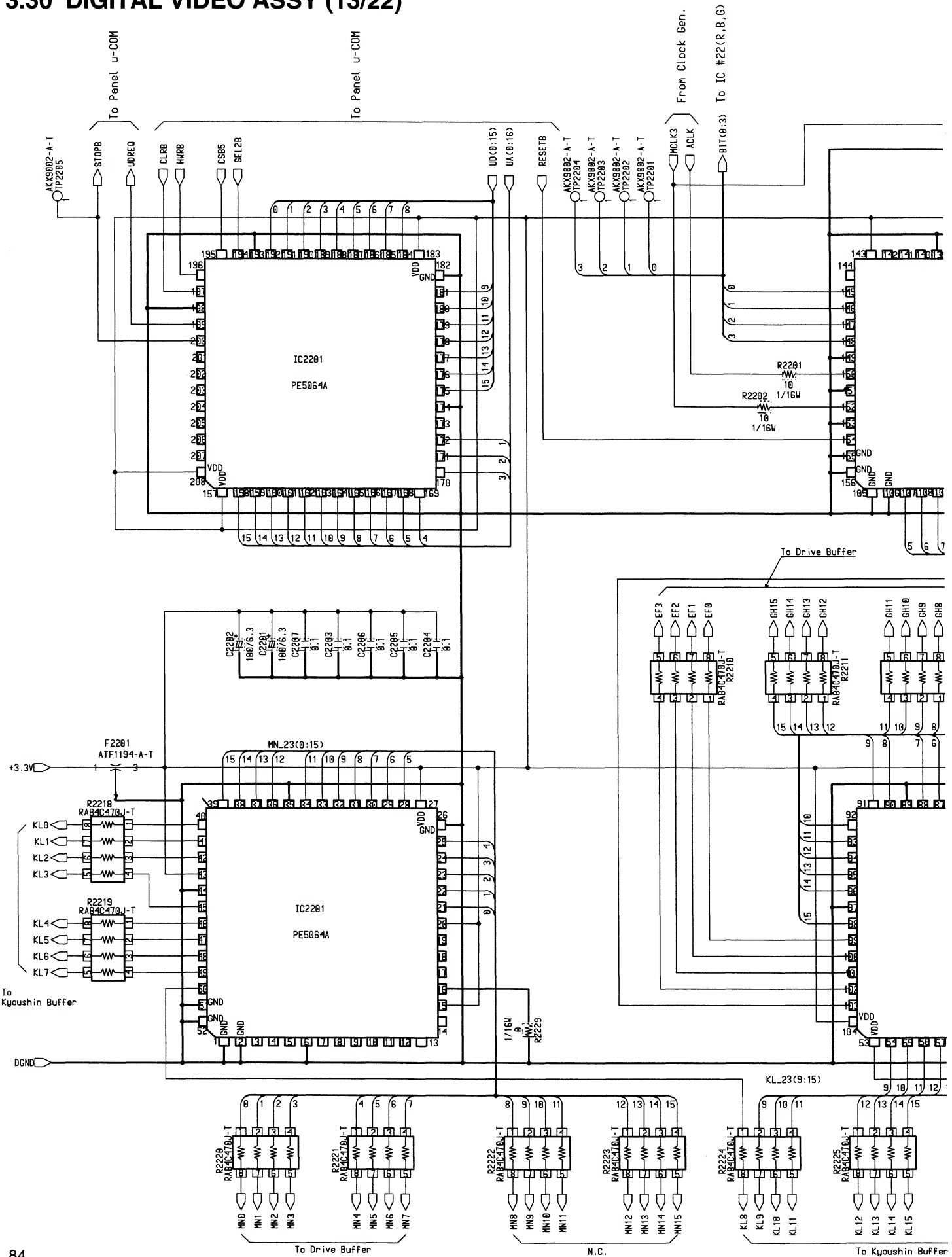


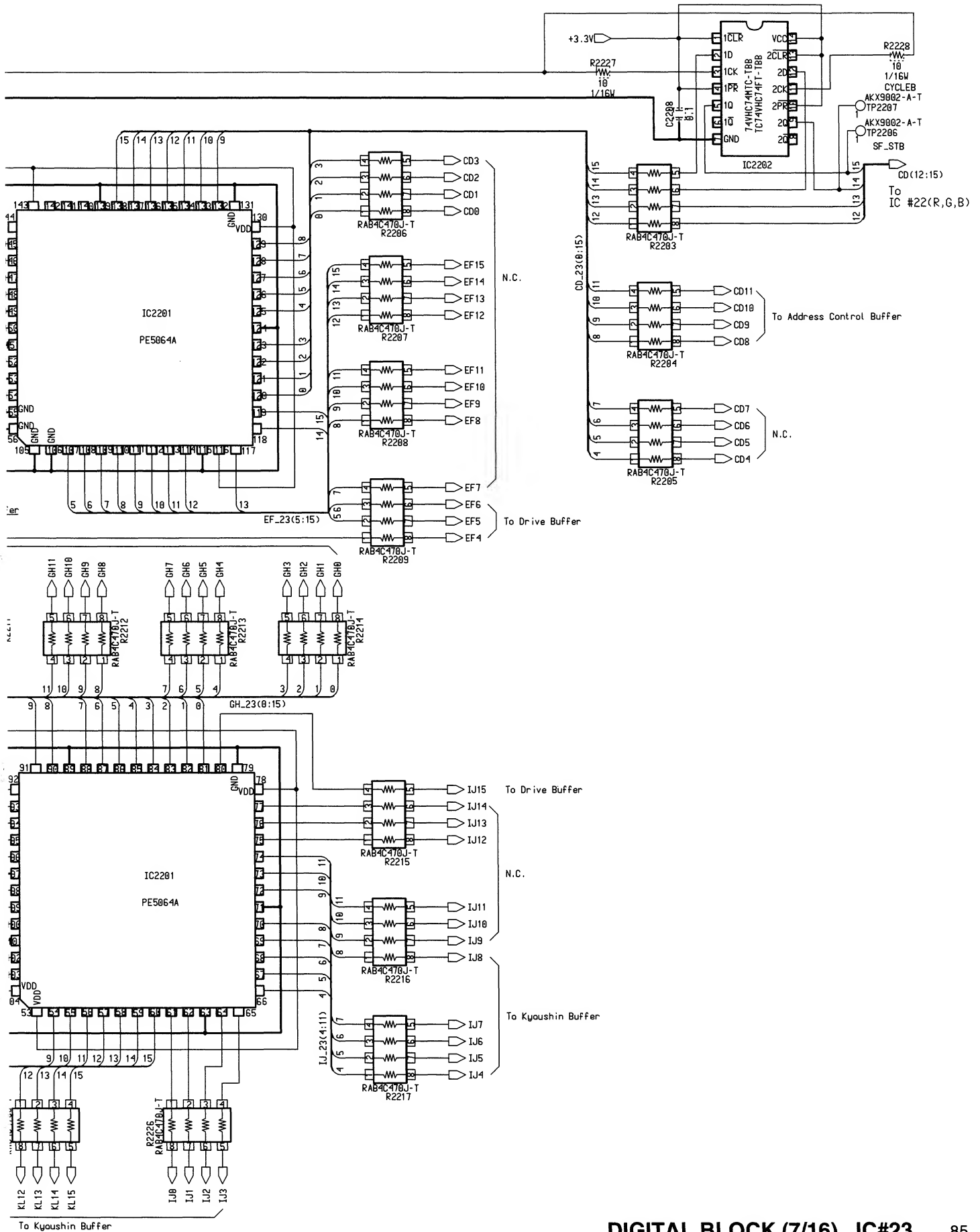




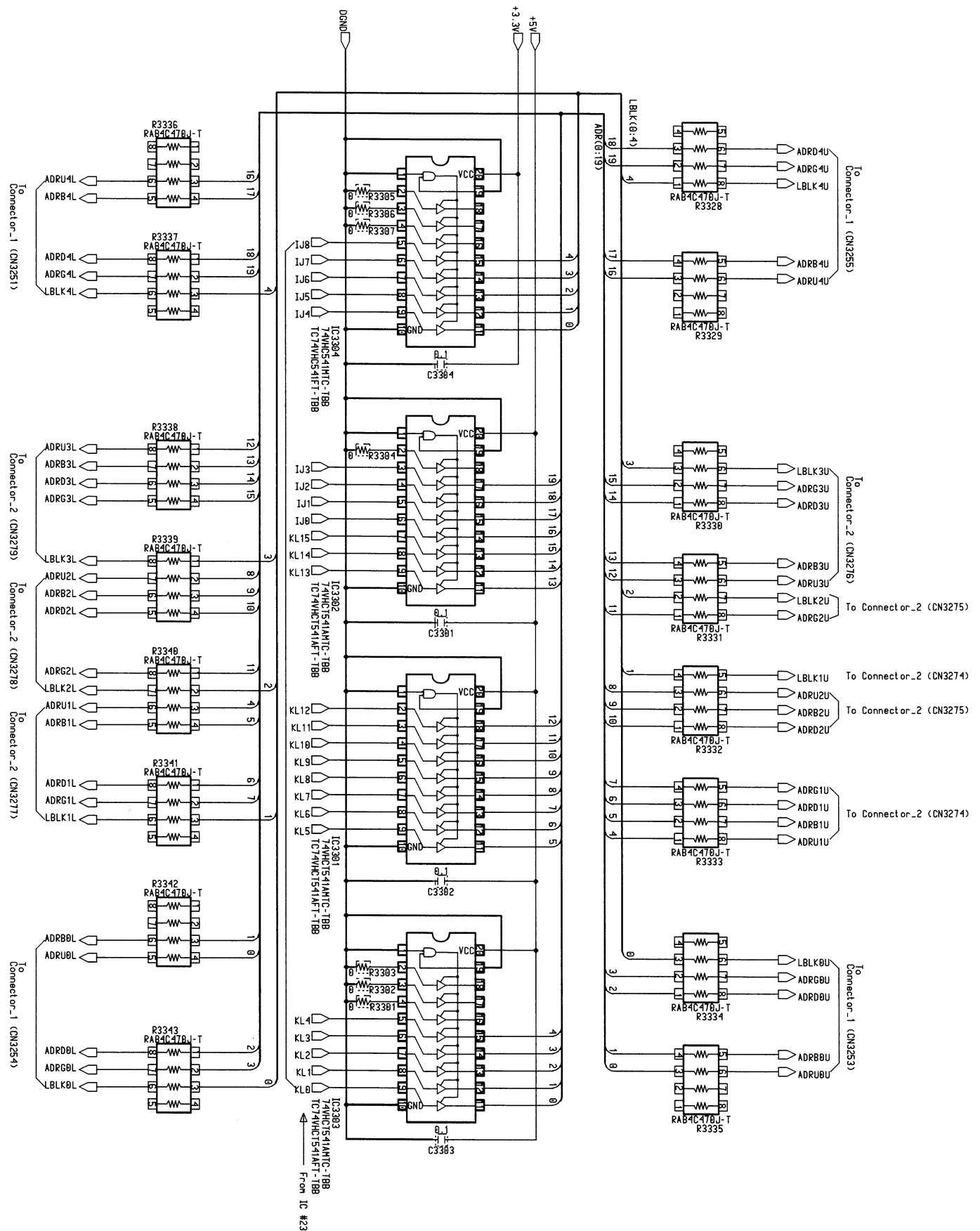


3.30 DIGITAL VIDEO ASSY (13/22)

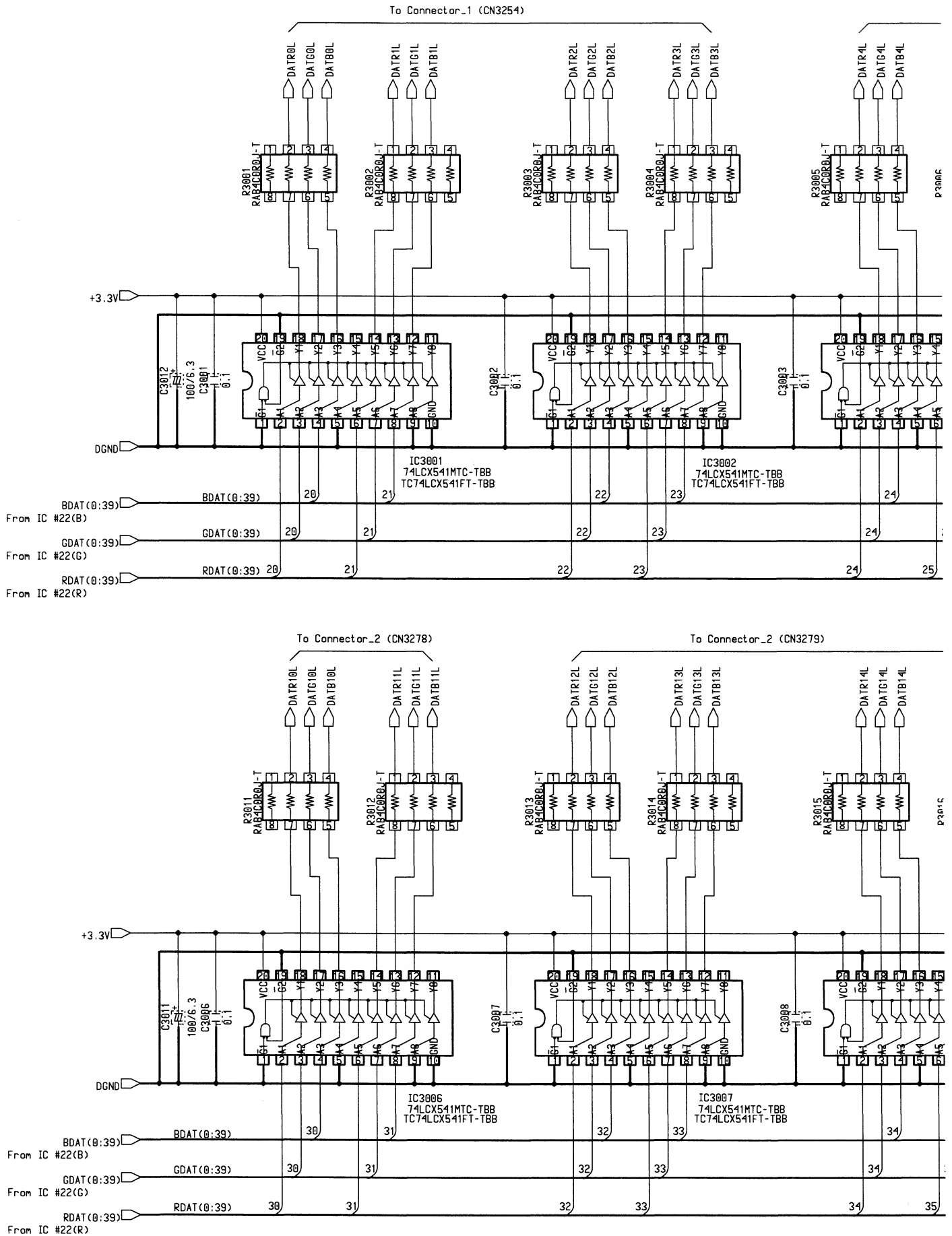


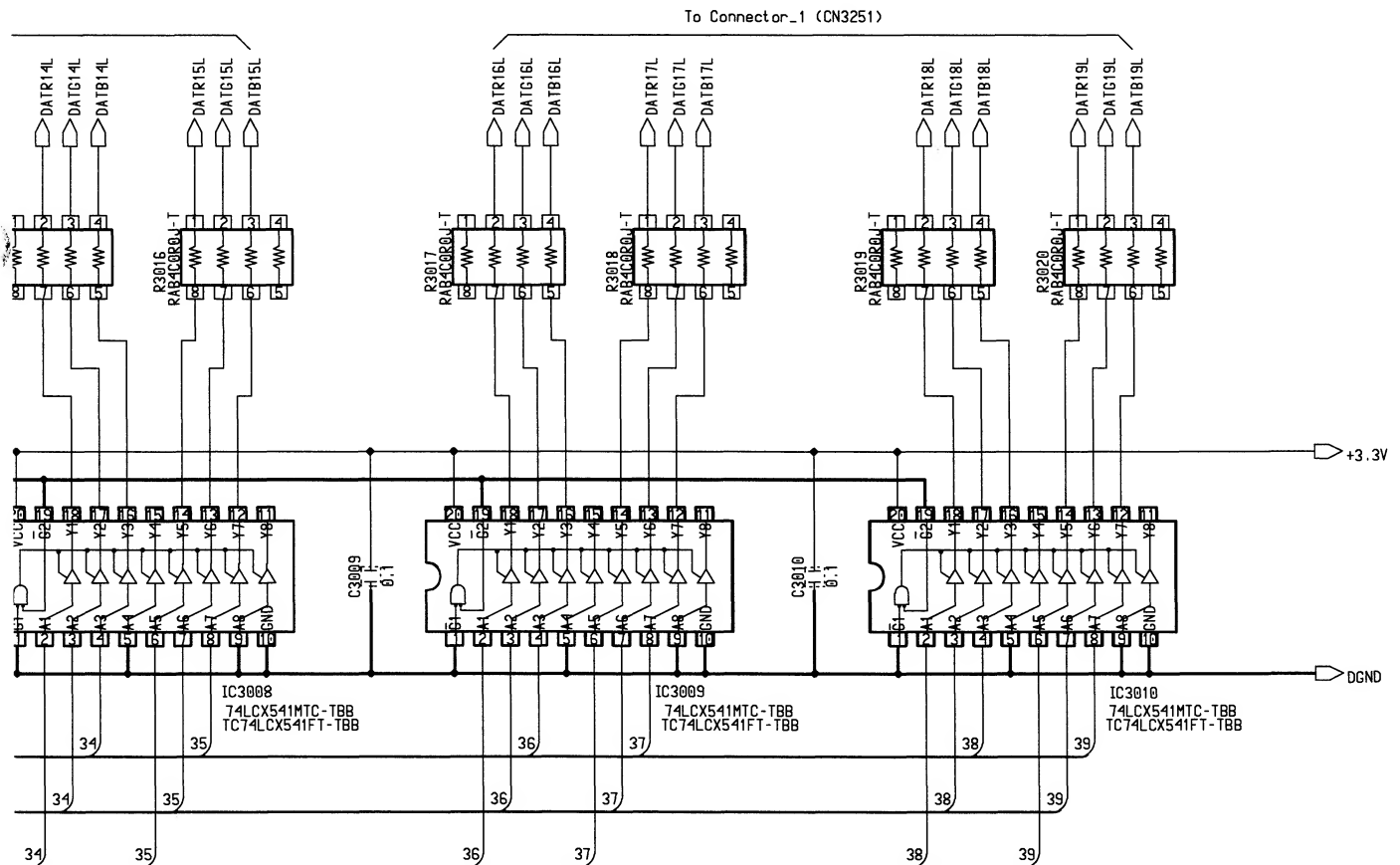
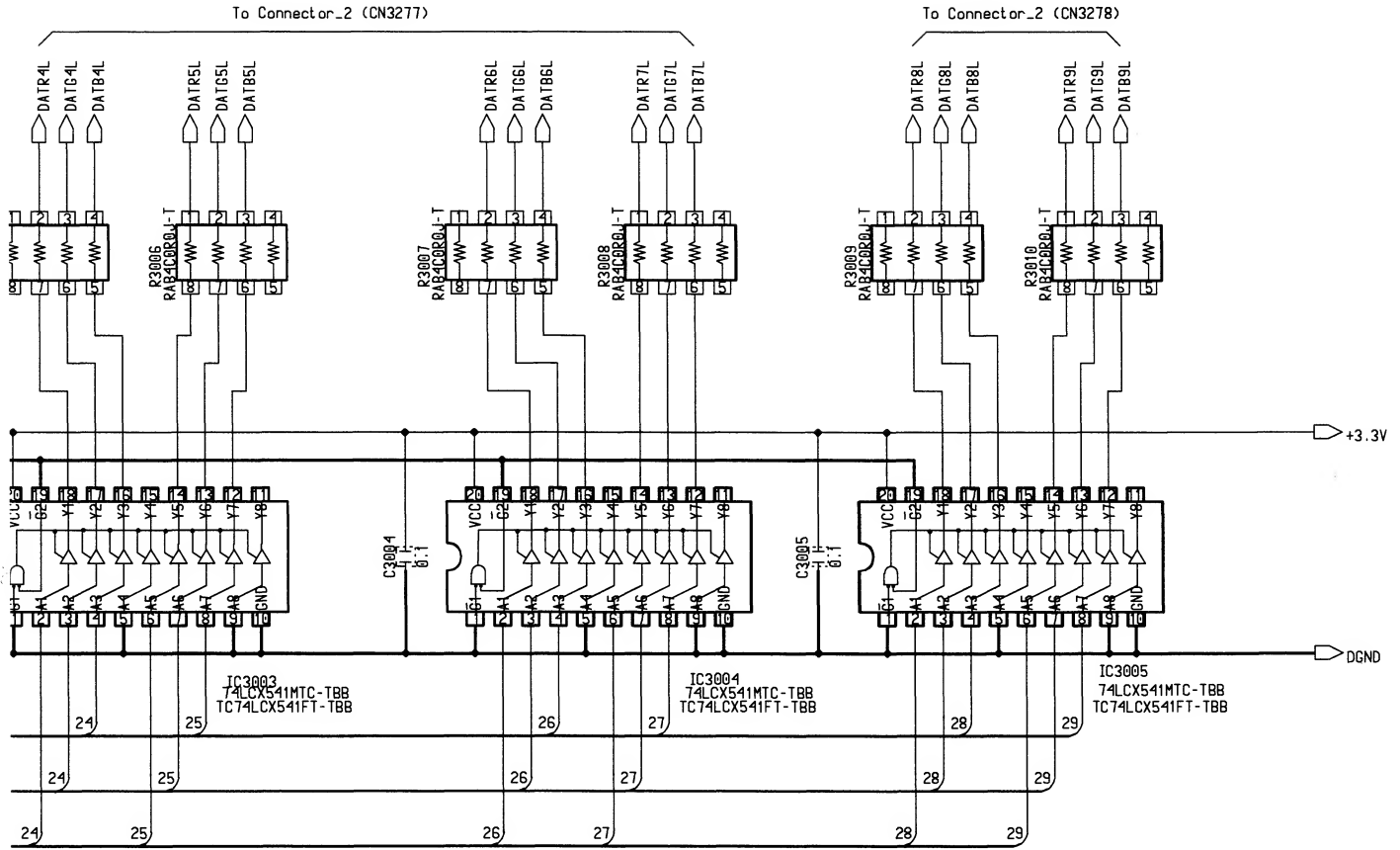


3.32 DIGITAL VIDEO ASSY (15/22)

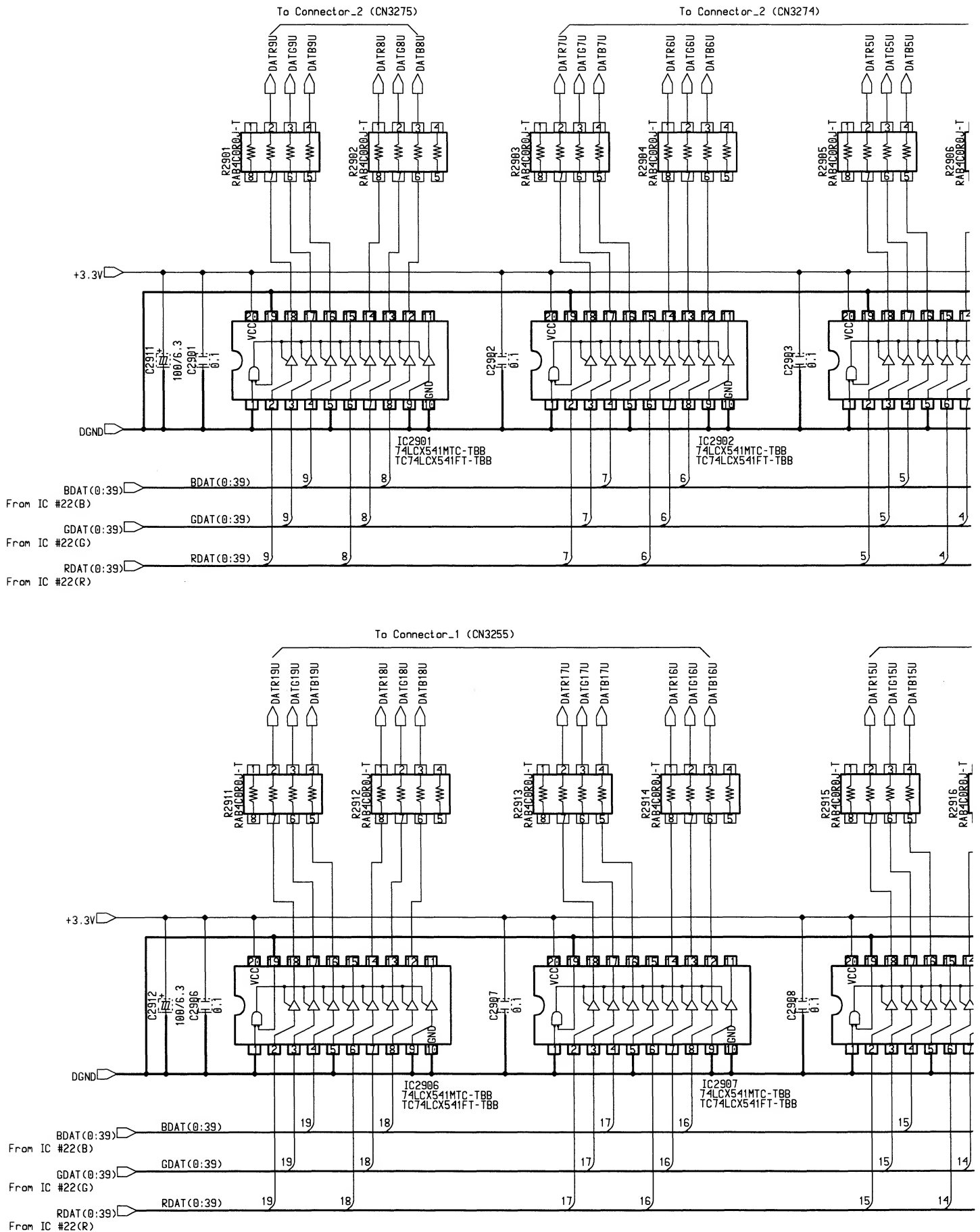


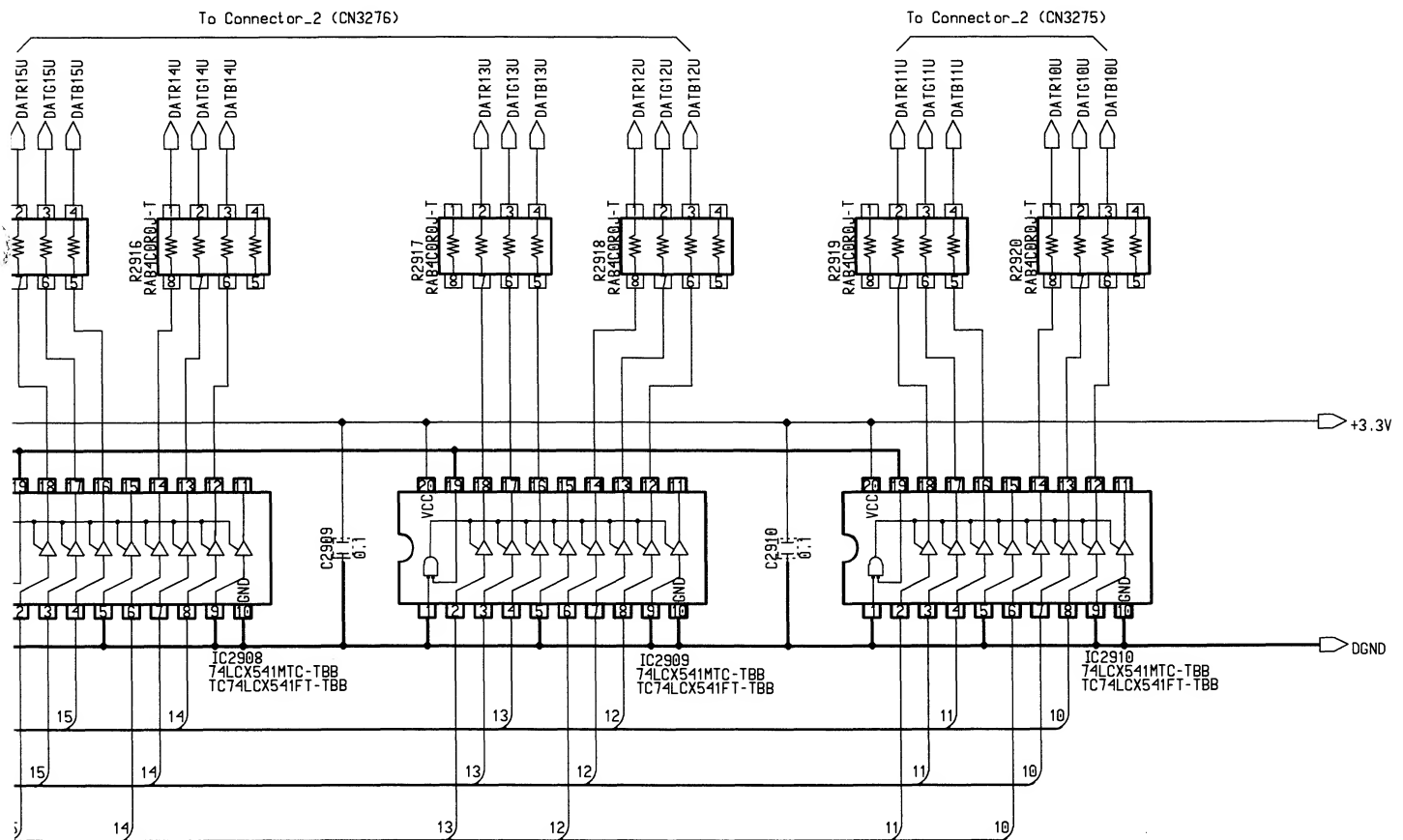
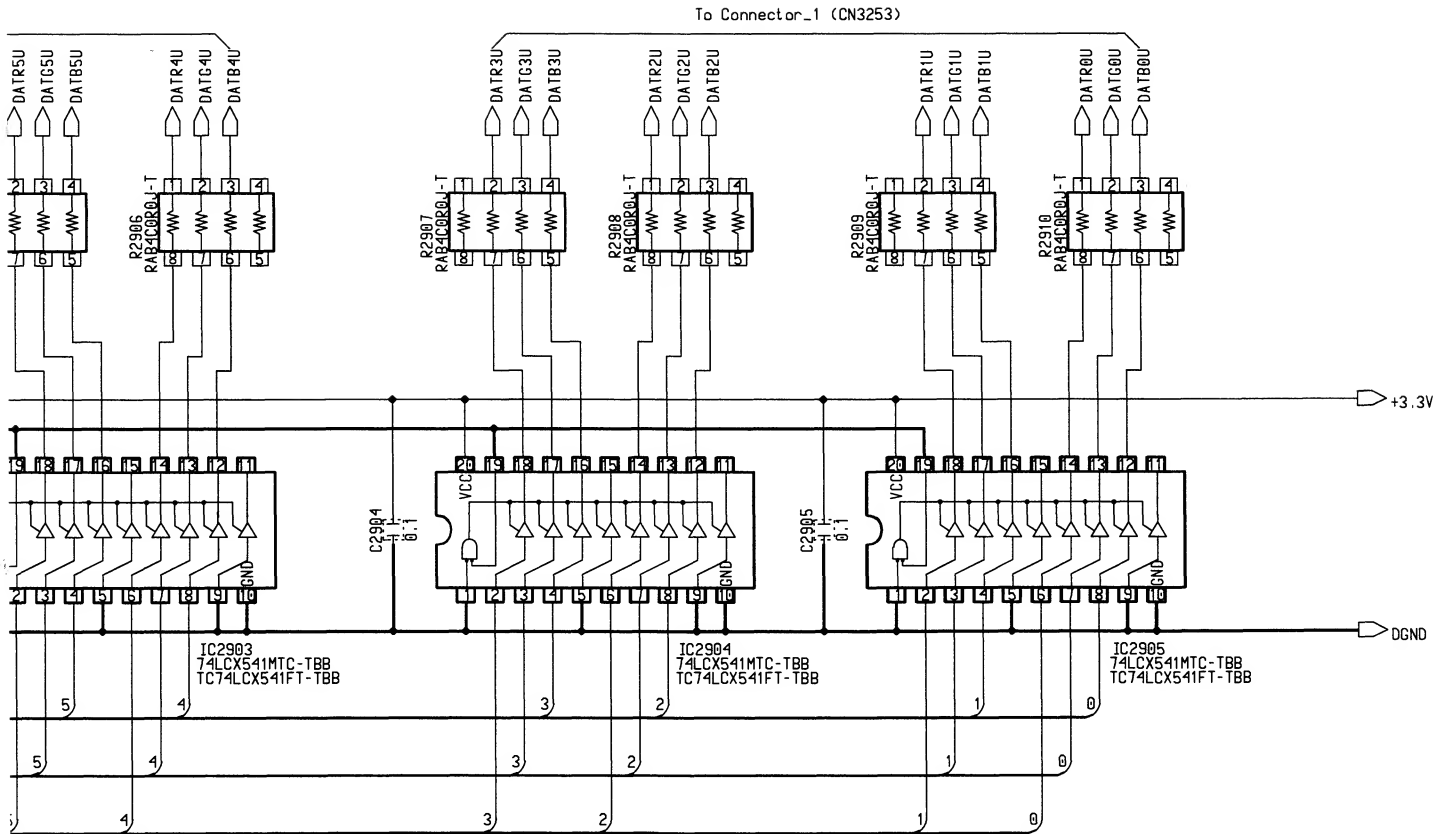
3.33 DIGITAL VIDEO ASSY (16/22)





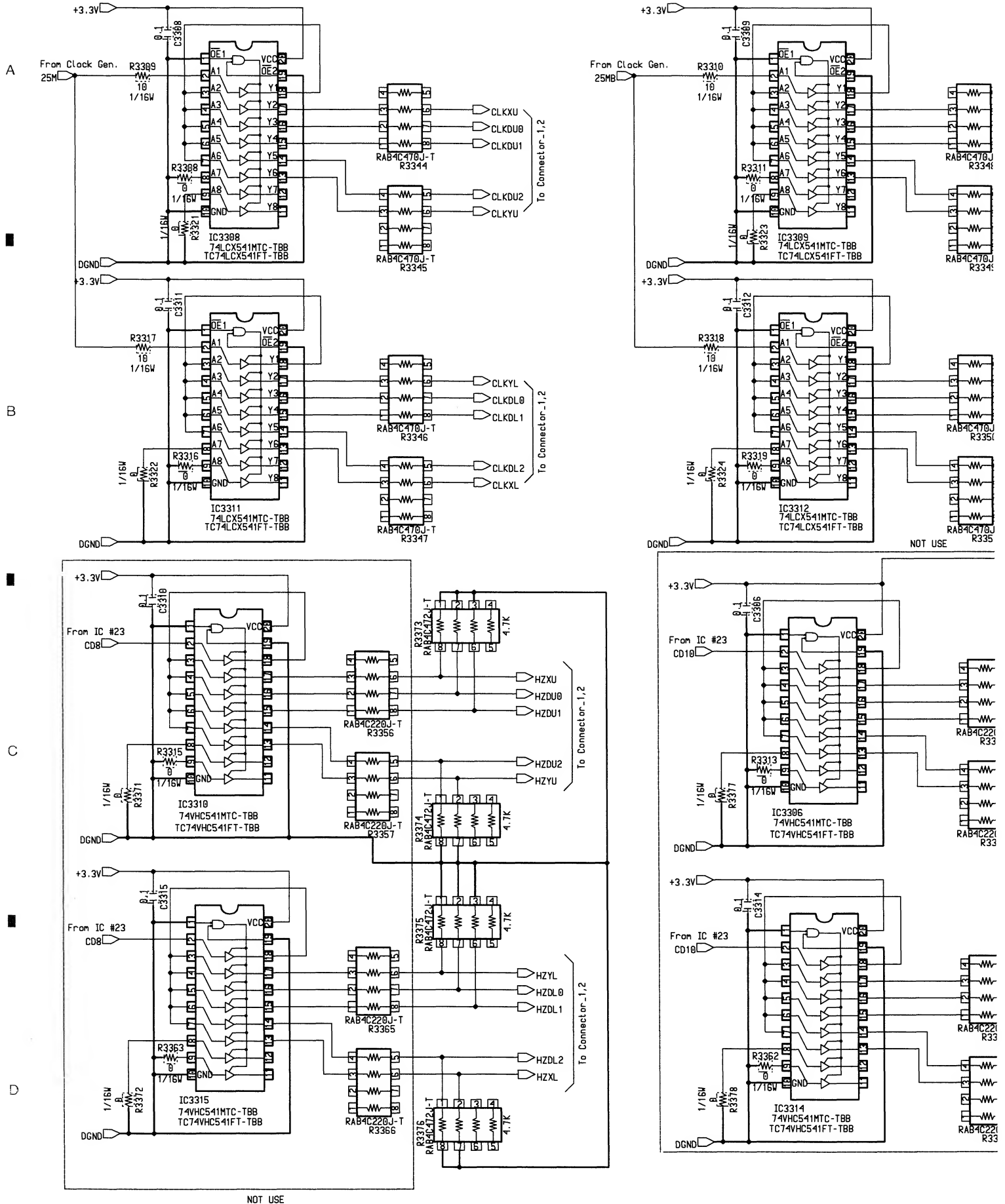
3.34 DIGITAL VIDEO ASSY (17/22)





PDP-502MX, PDP-502MXE

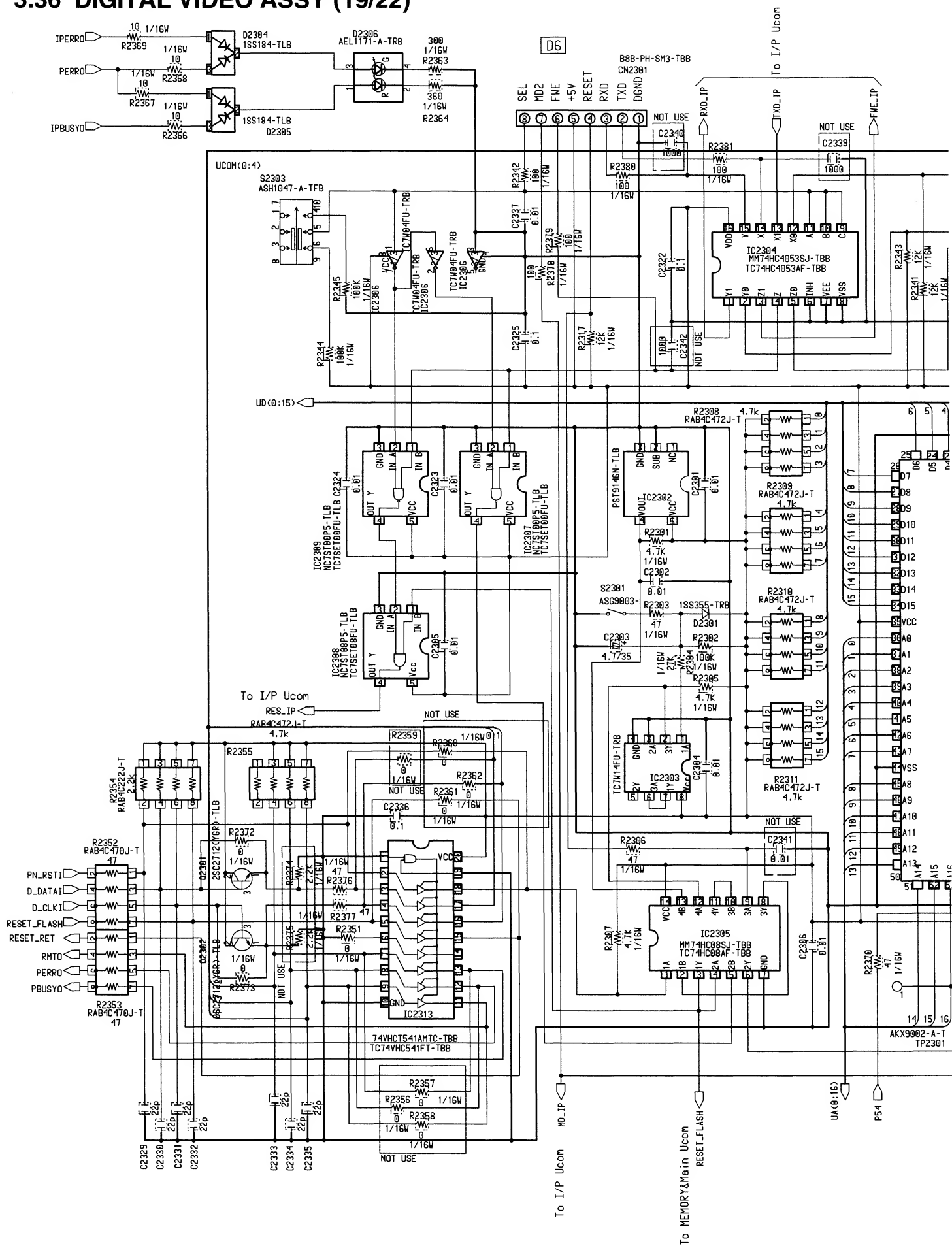
3.35 DIGITAL VIDEO ASSY (18/22)

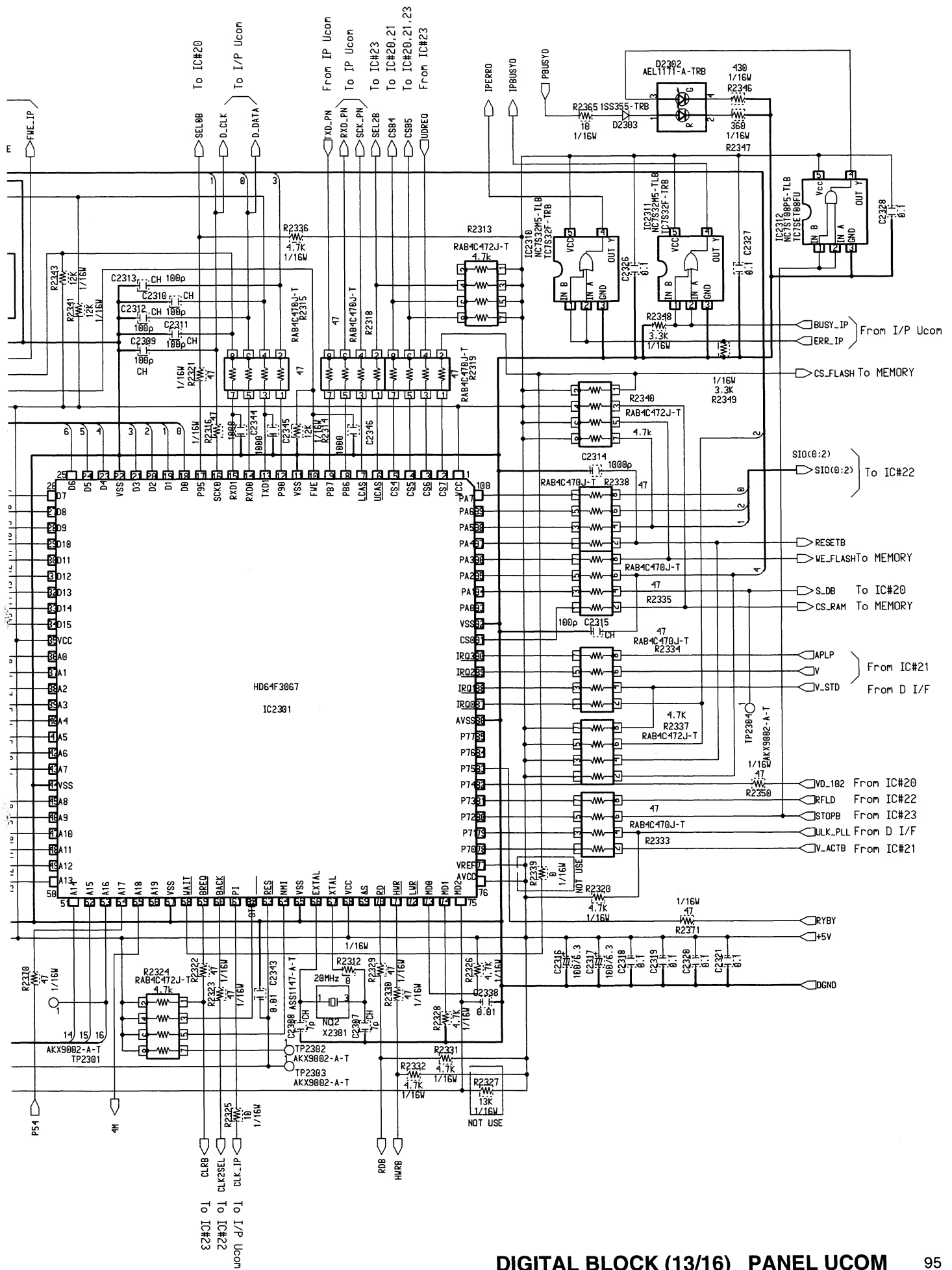


D

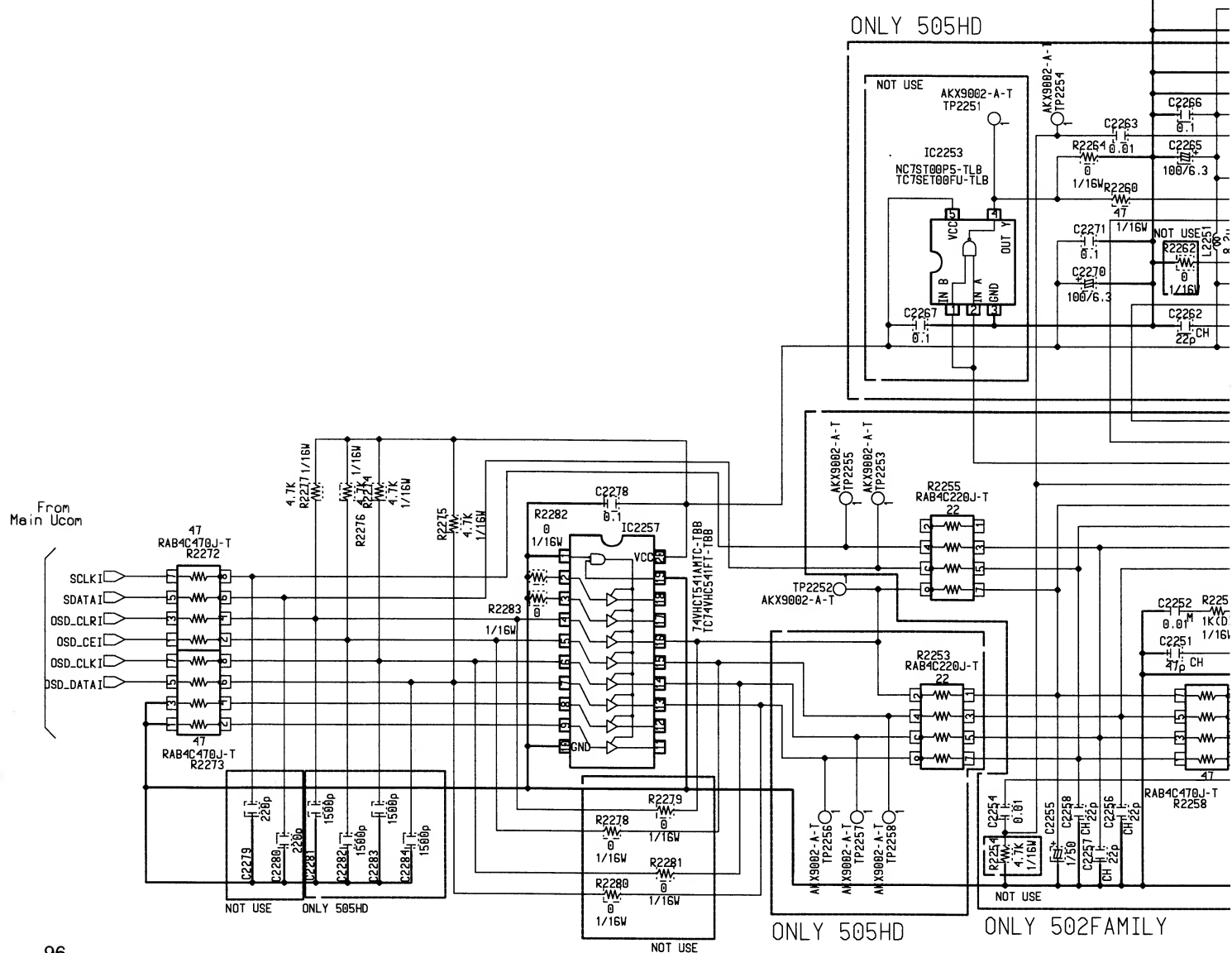
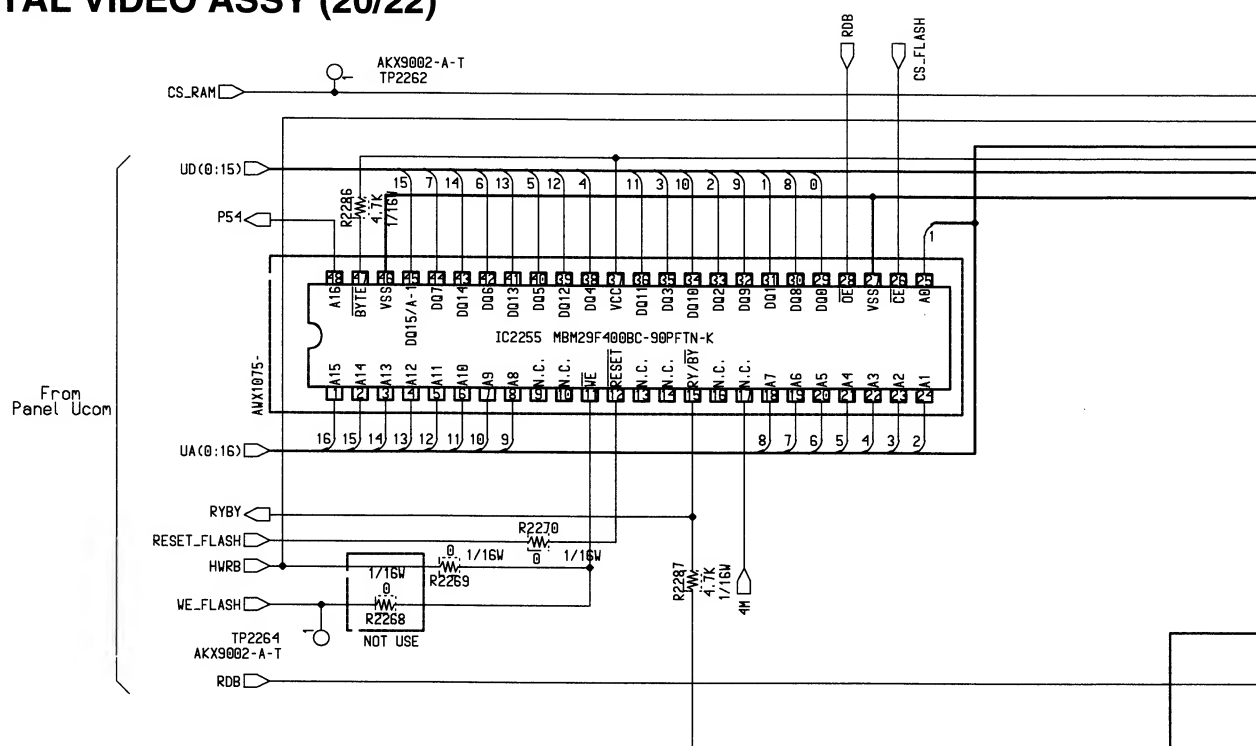


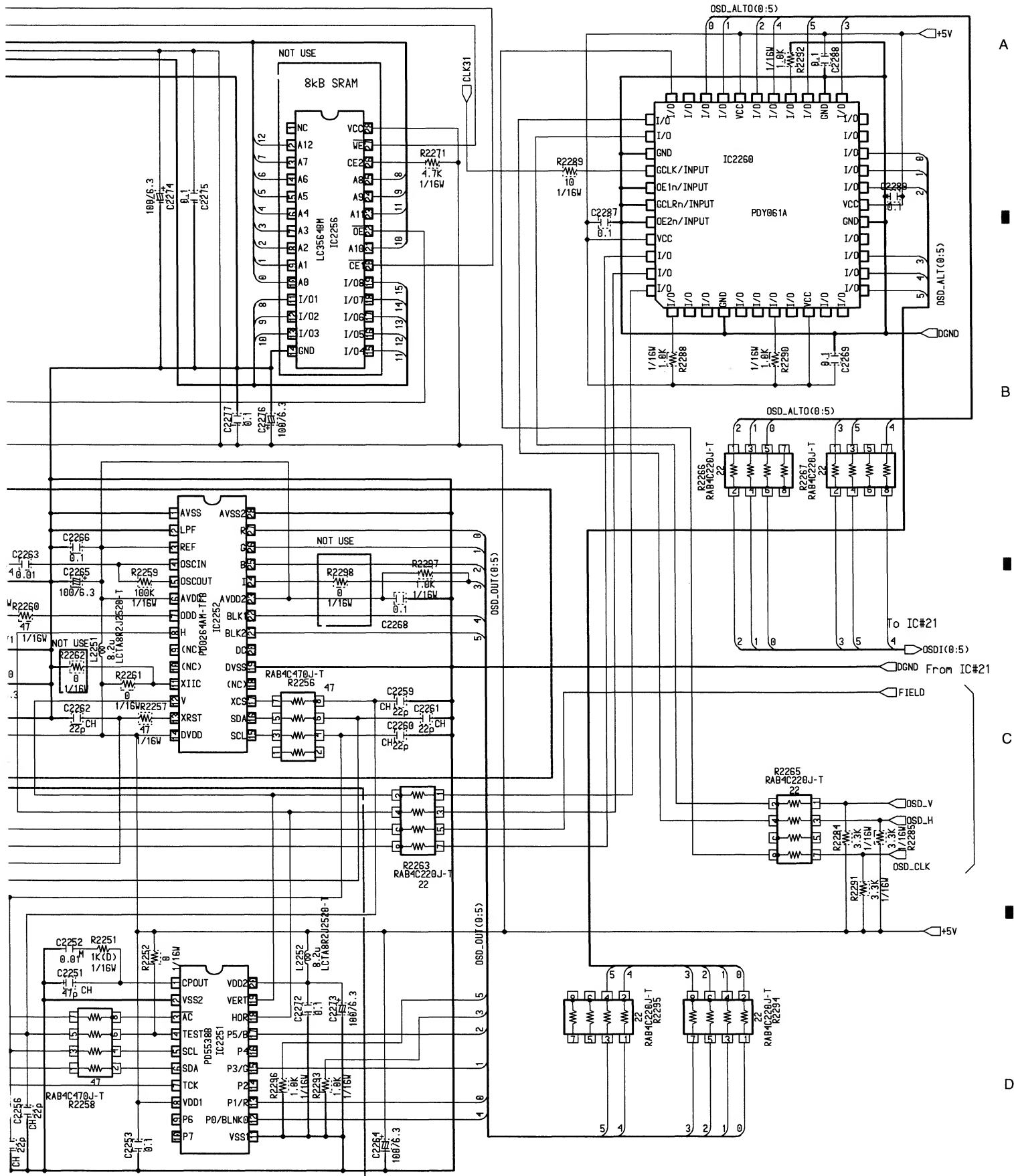
3.36 DIGITAL VIDEO ASSY (19/22)





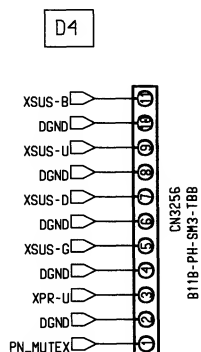
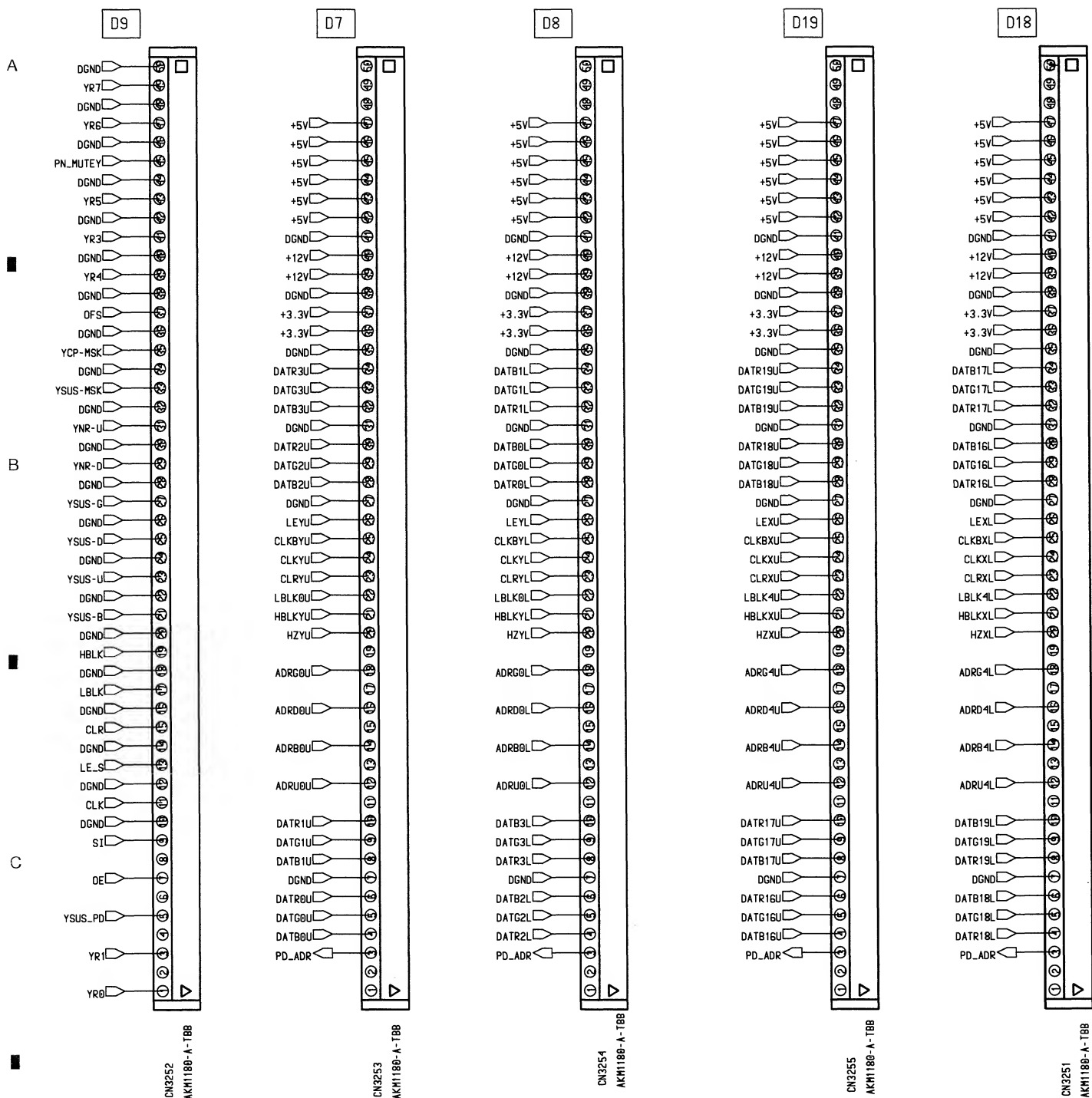
3.37 DIGITAL VIDEO ASSY (20/22)



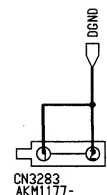
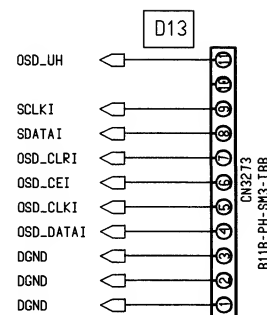
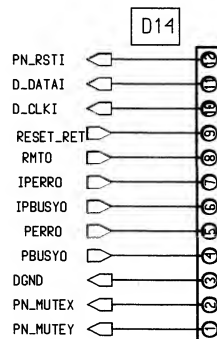
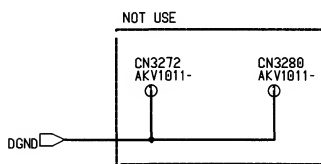
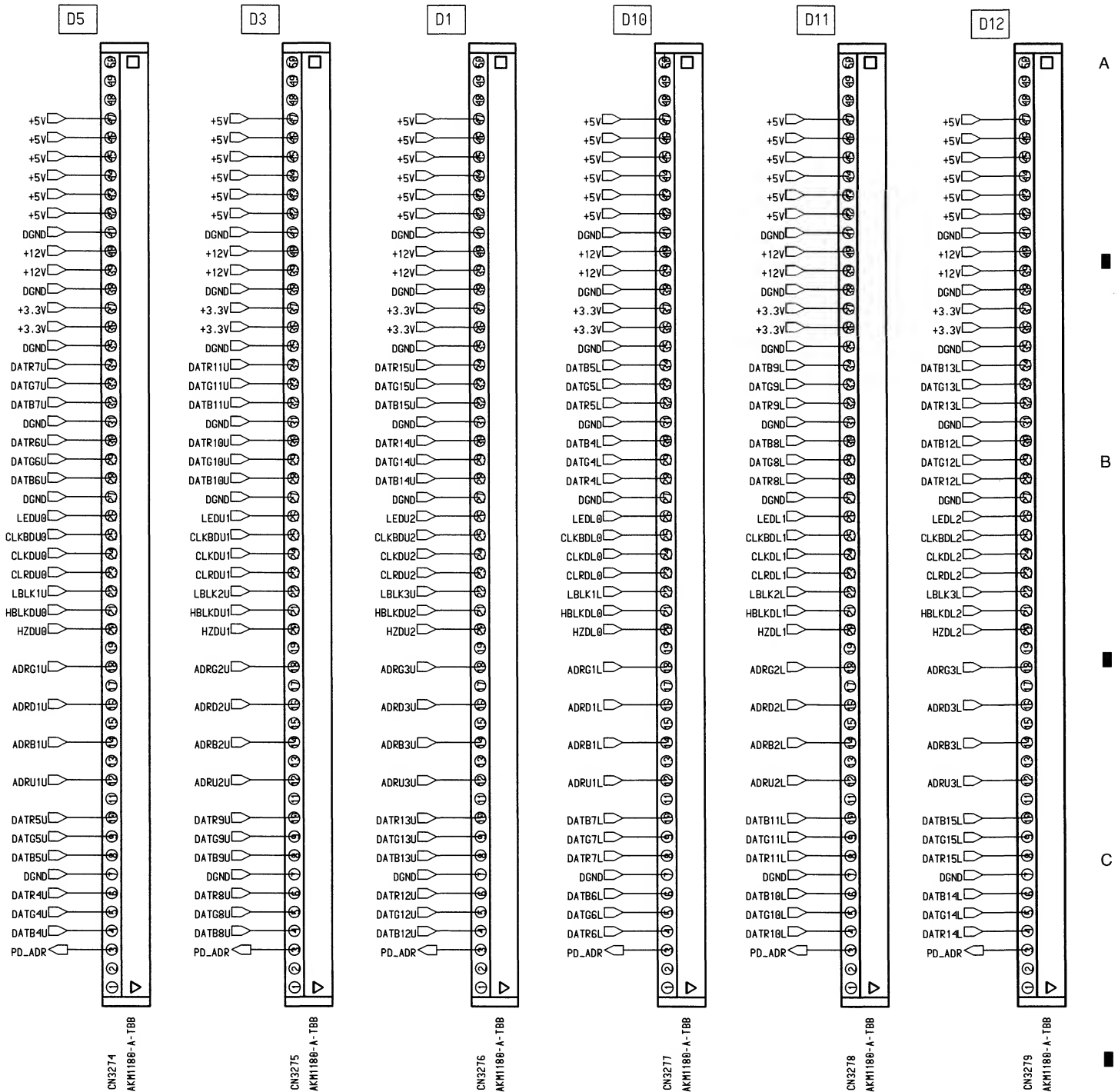


AMILY

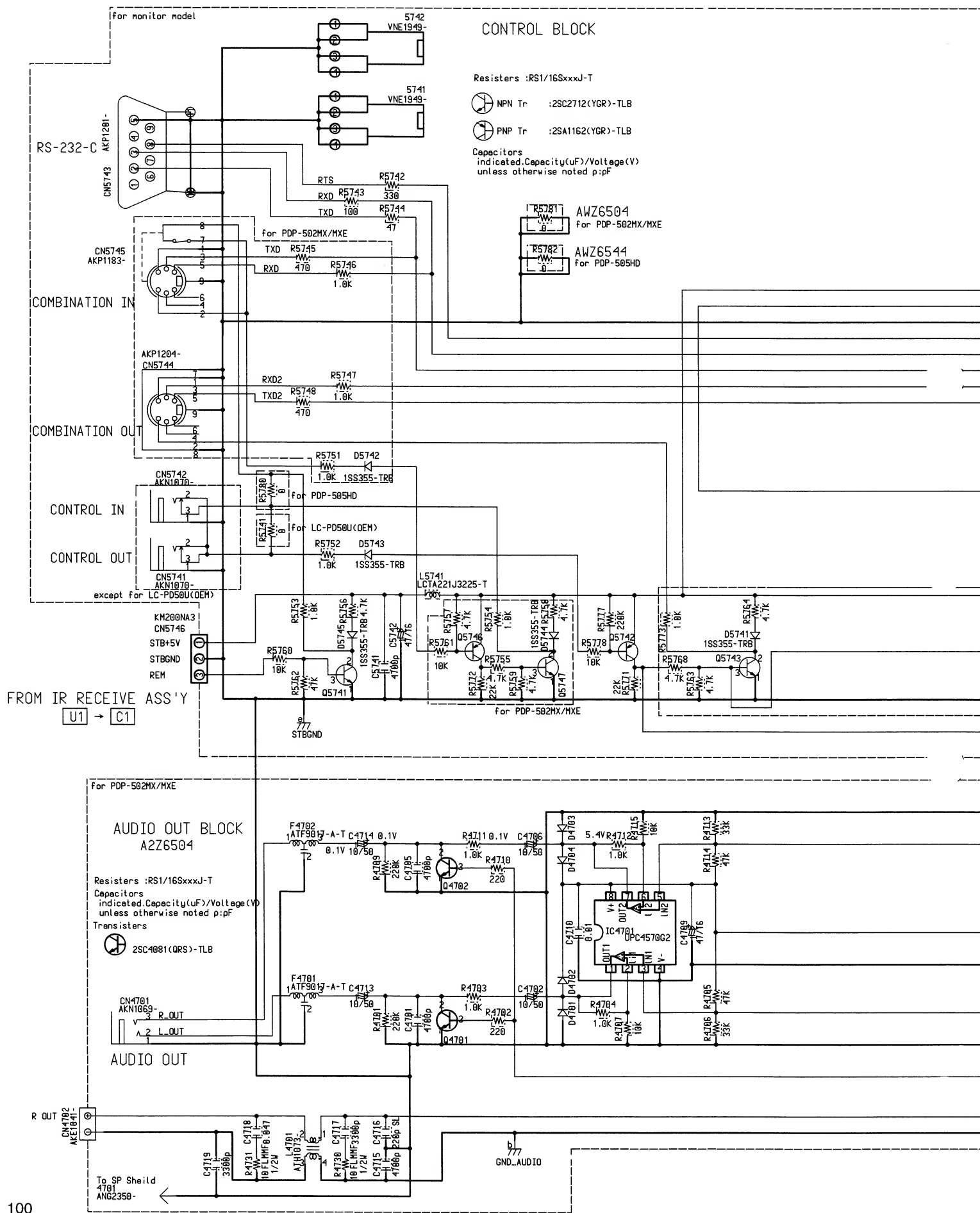
3.38 DIGITAL VIDEO ASSY (21/22)

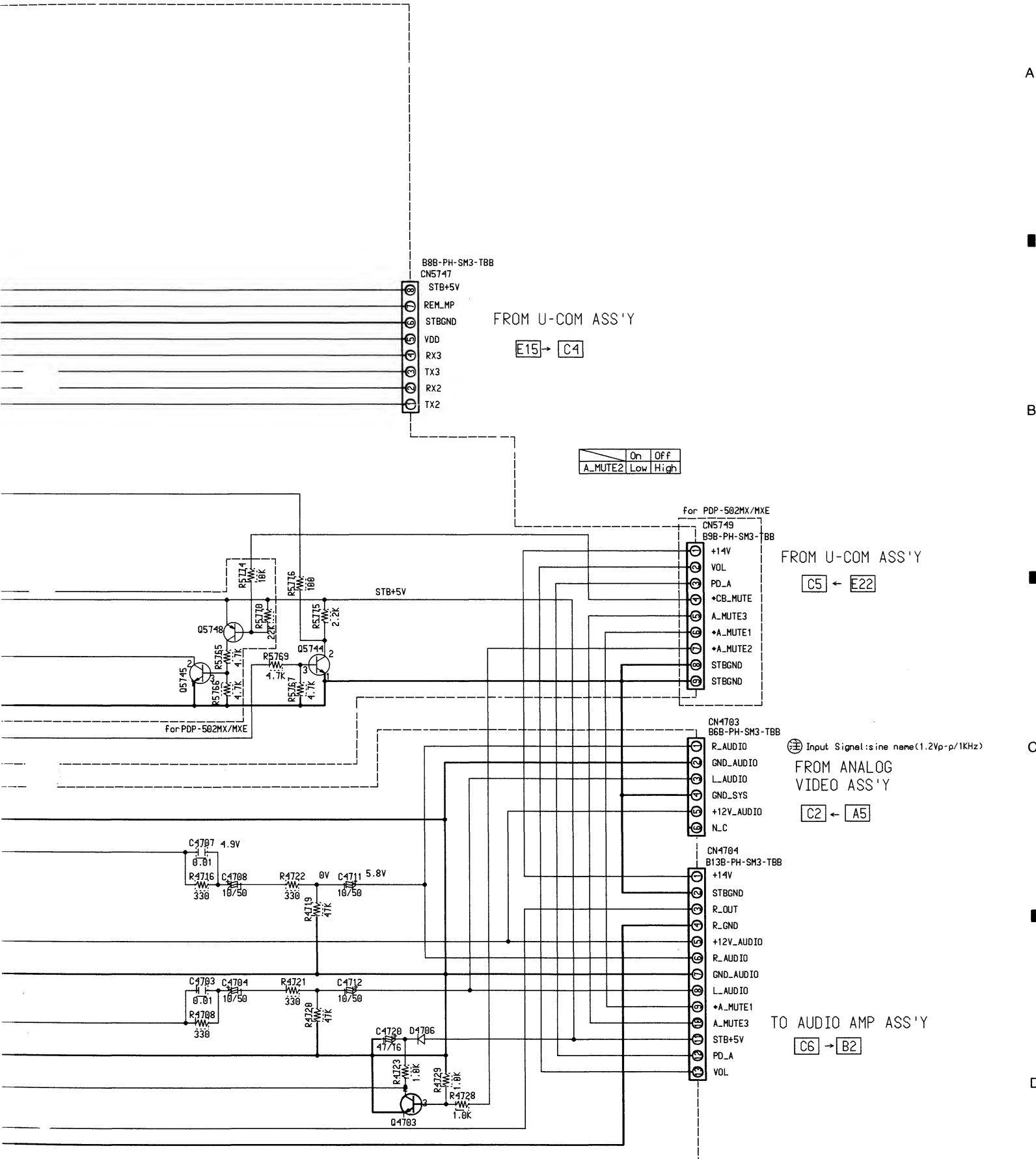


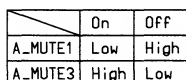
3.39 DIGITAL VIDEO ASSY (22/22)



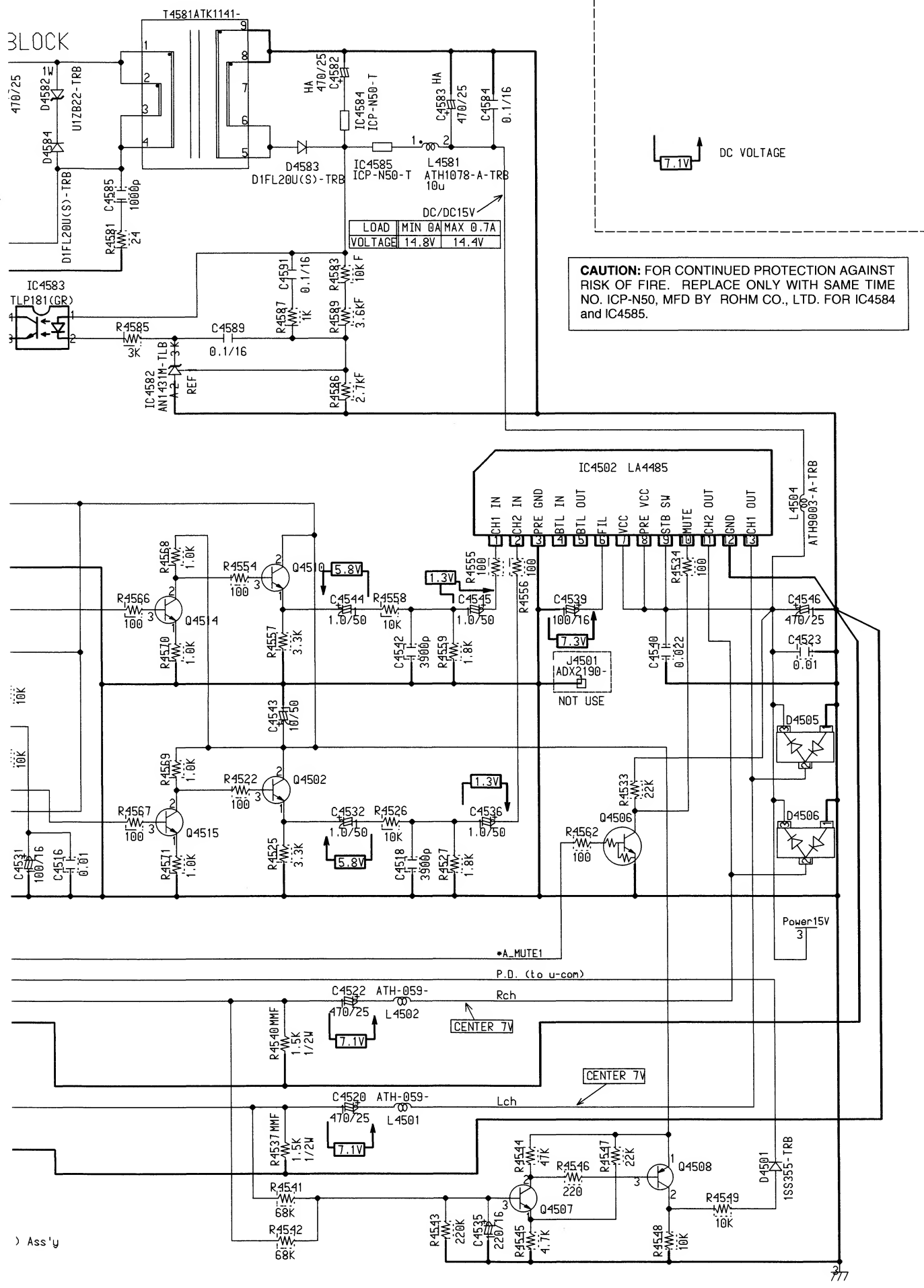
3.40 CONTROL ASSY







BLOCK



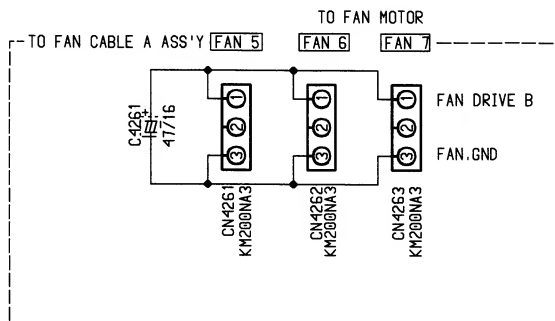
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TIME NO. ICP-N50, MFD BY ROHM CO., LTD. FOR IC4584 and IC4585.

7.1V DC VOLTAGE

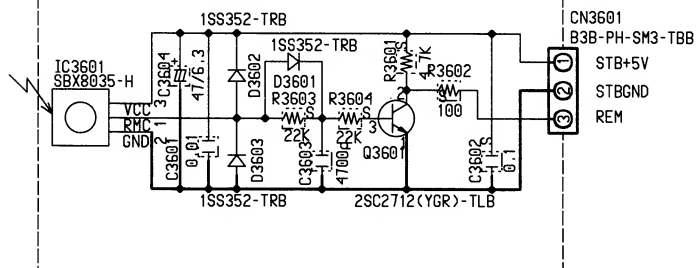
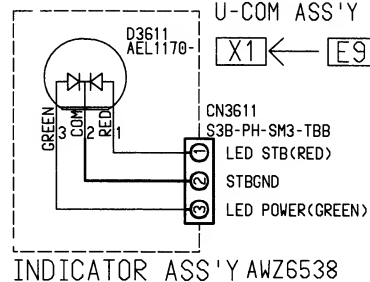
3.42 IR RECEIVE ASSY, INDICATOR ASSY and FAN CABLE (B) ASSY

FAN CABLE B ASS'Y

AWZ6497

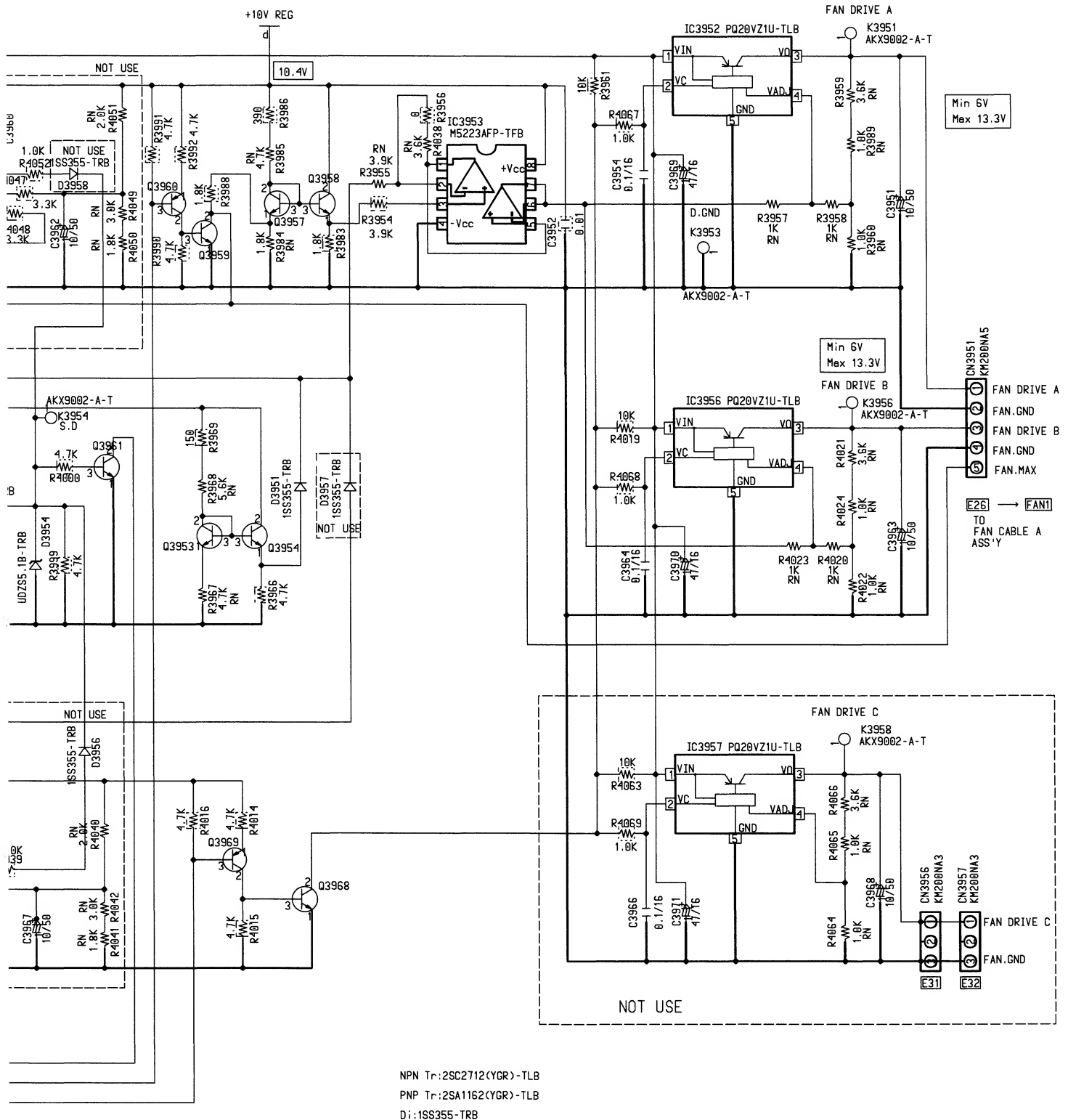


IR RECEIVE ASS'Y AWZ6498

FROM
U-COM ASS'Y

- Resistor indicated in ohm, 1/10W+5% tolerance unless otherwise noted. k:k ohm, M:M ohm
- Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted. p:pF indication without voltage is 50V except Electrolytic capacitor.
- "S"Marked resistor and capacitor indicated 1608size(1/16W)





A

Capacitors
indicated.Capacity(uF)/Voltage(V)
unless otherwise noted p:pF



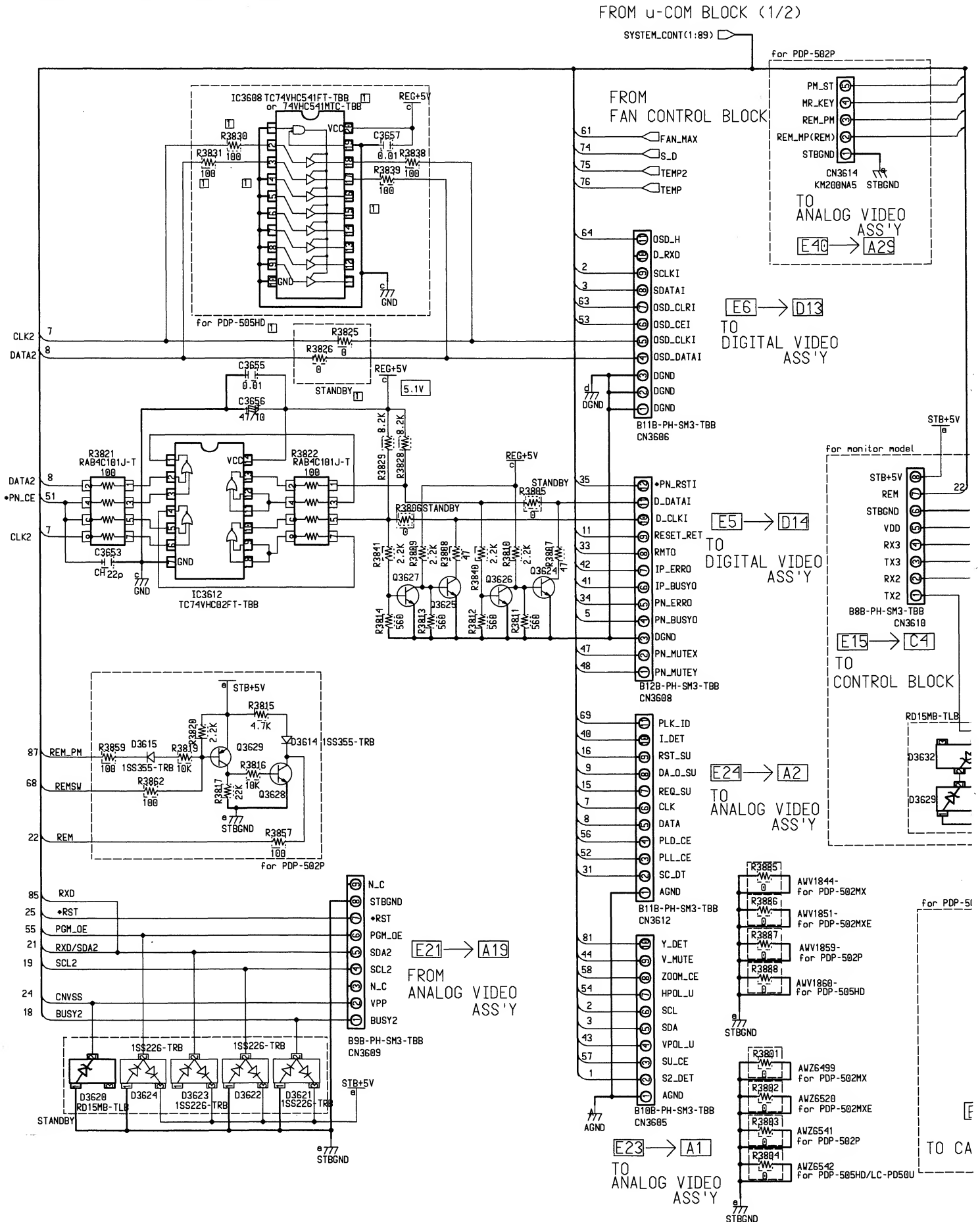
3.46 U-COM ASSY (3/4)

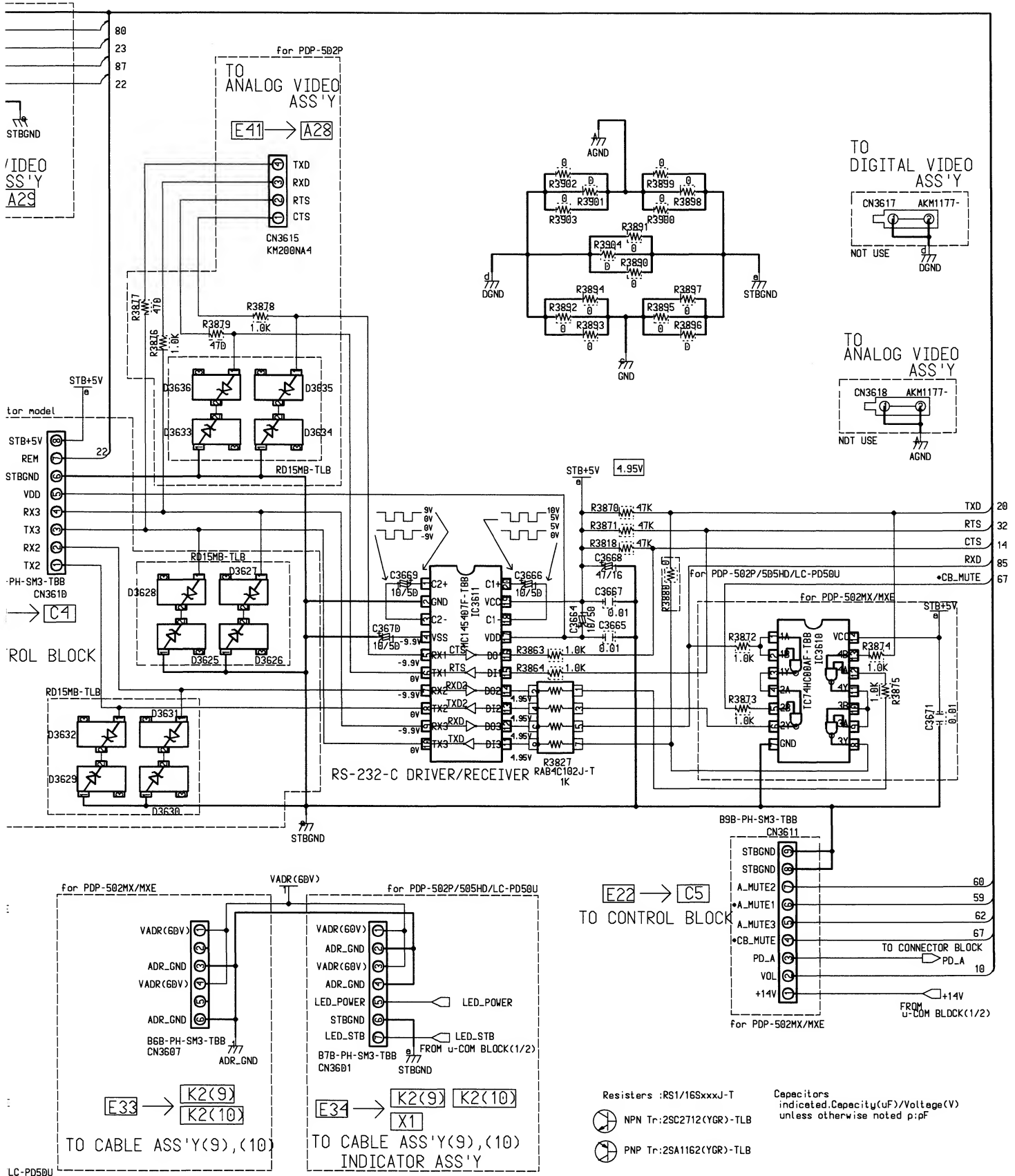
A

B

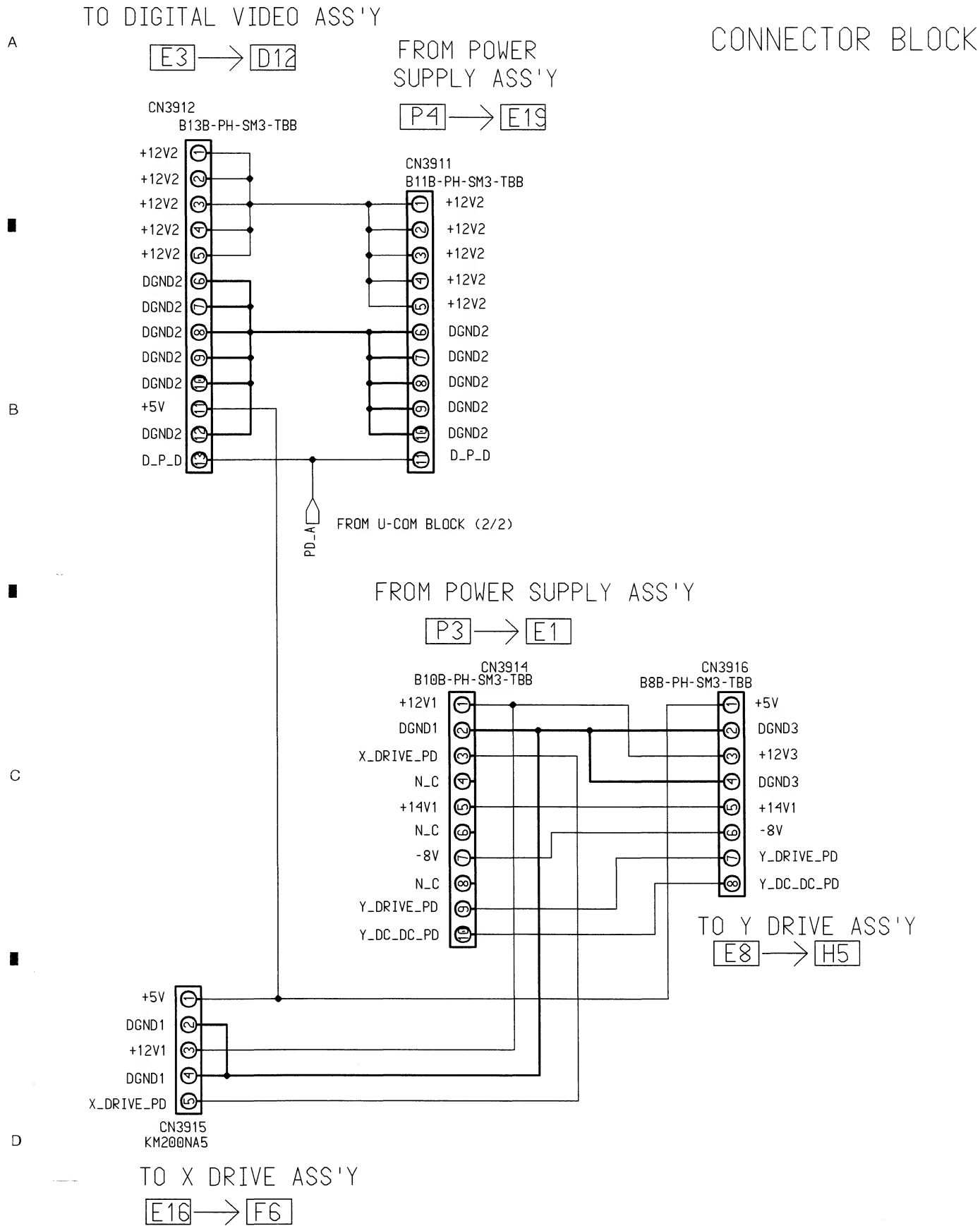
C

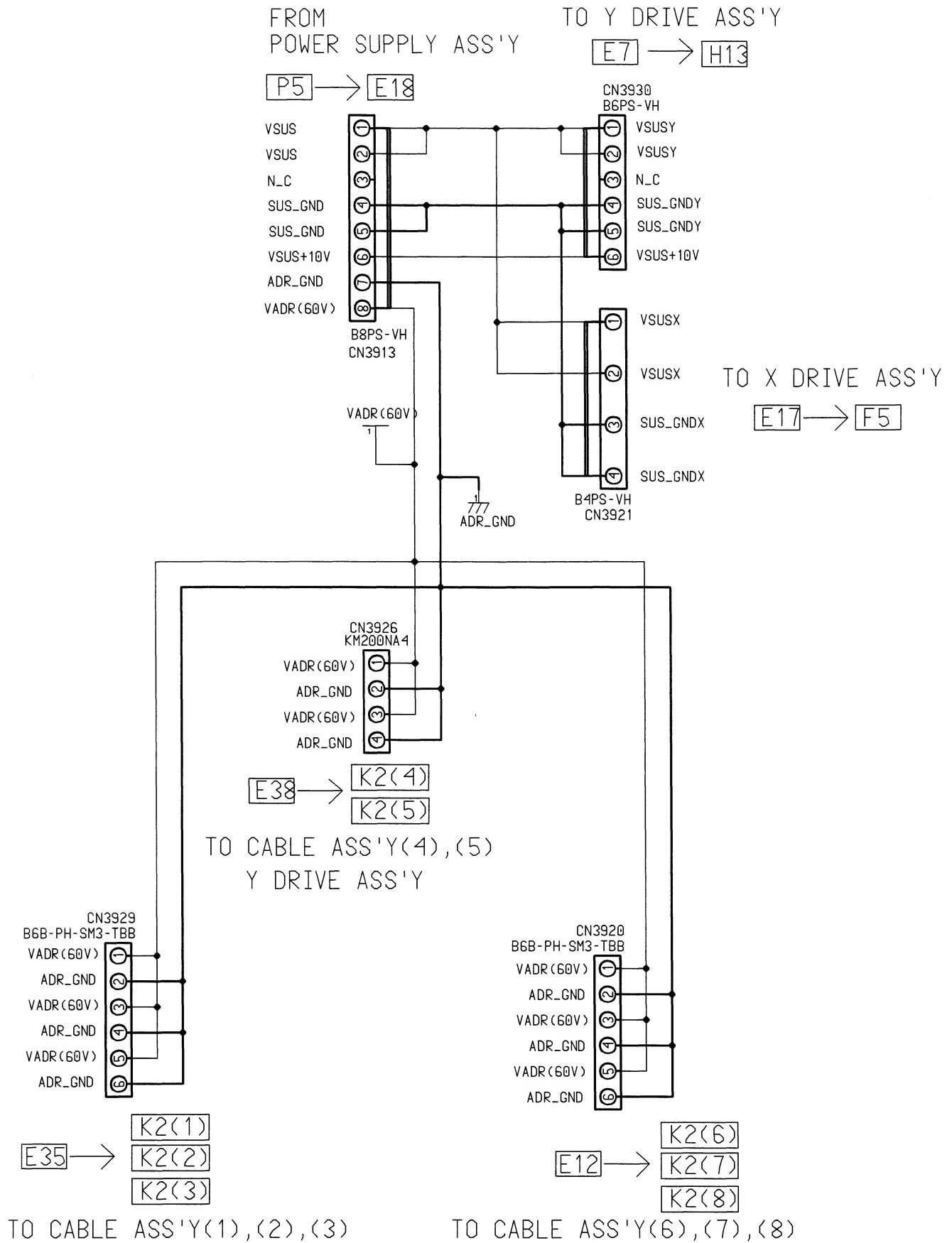
D





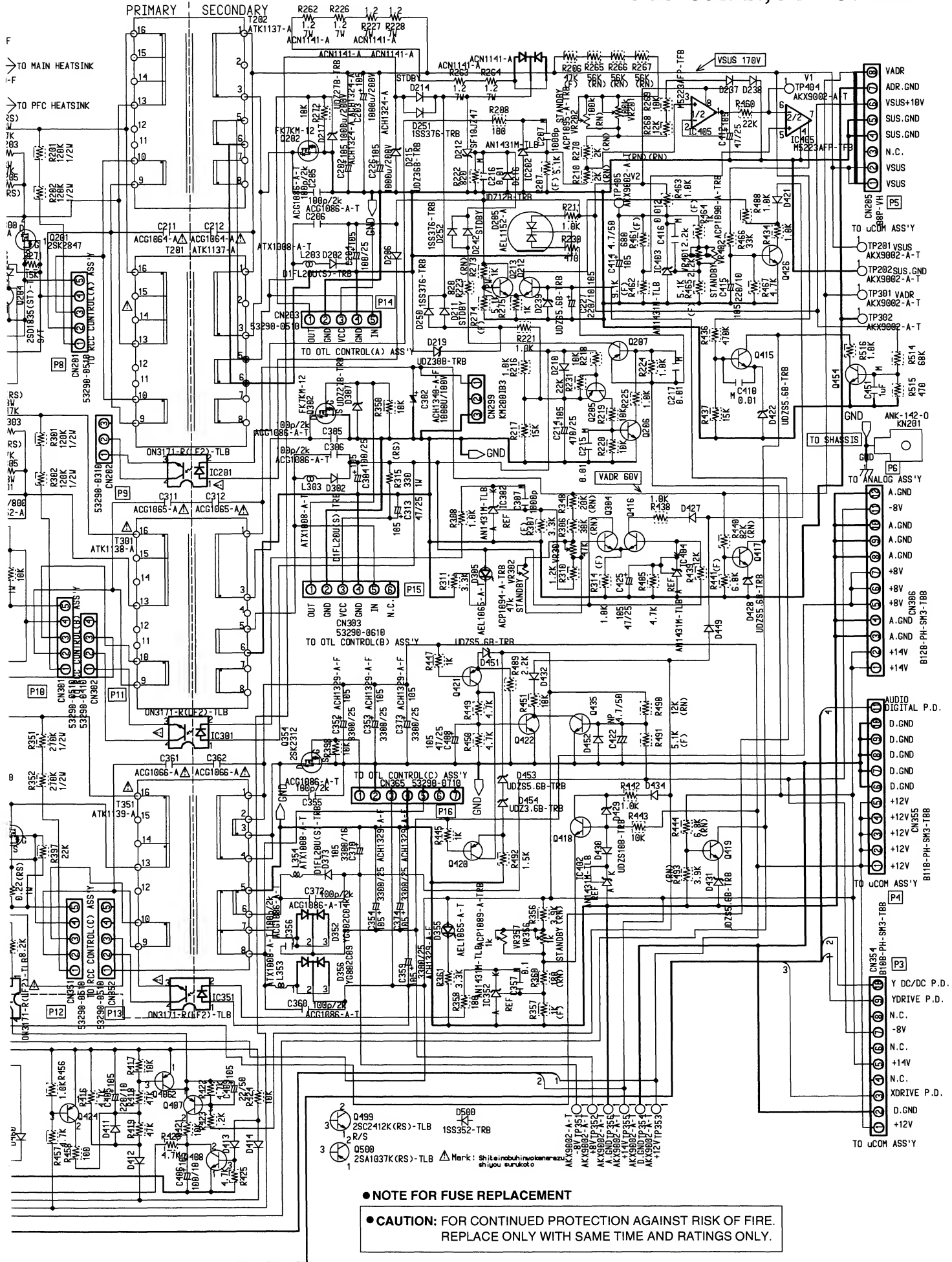
3.47 U-COM ASSY (4/4)





3.48 MAIN POWER ASSY





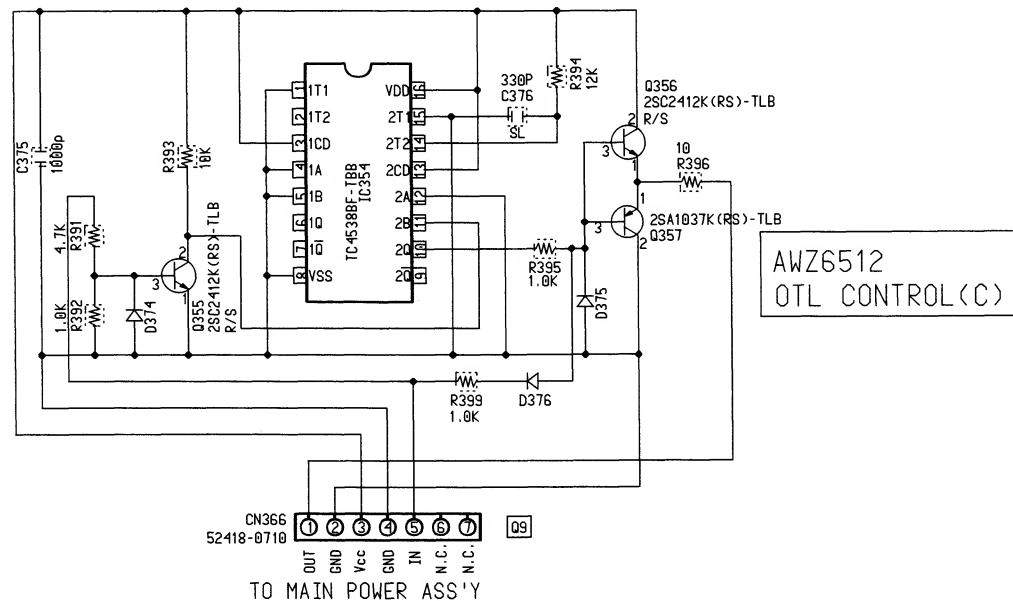
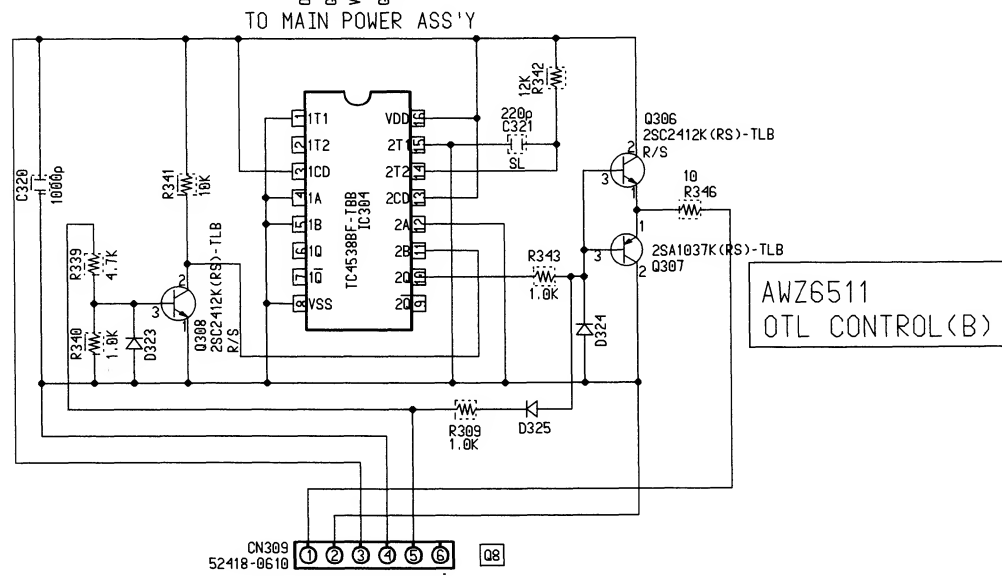
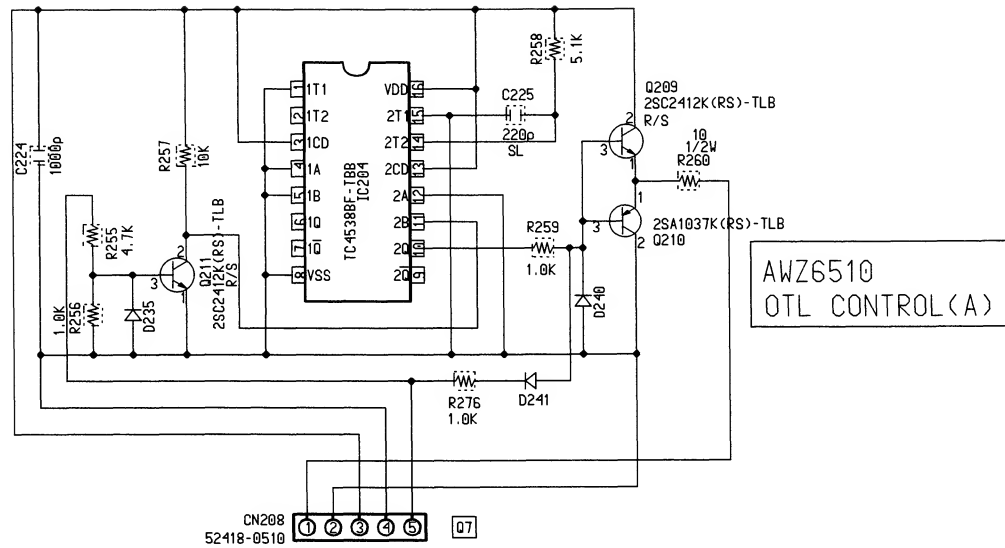
● NOTE FOR FUSE REPLACEMENT

● CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

A



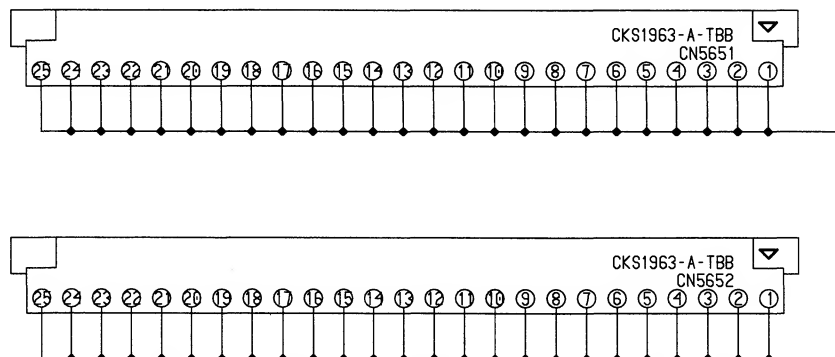
PDP-502MX, PDP-502MXE



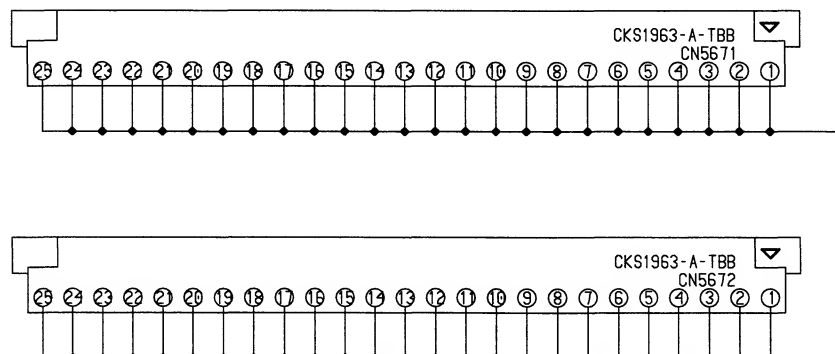
D499
1SS352-TTB

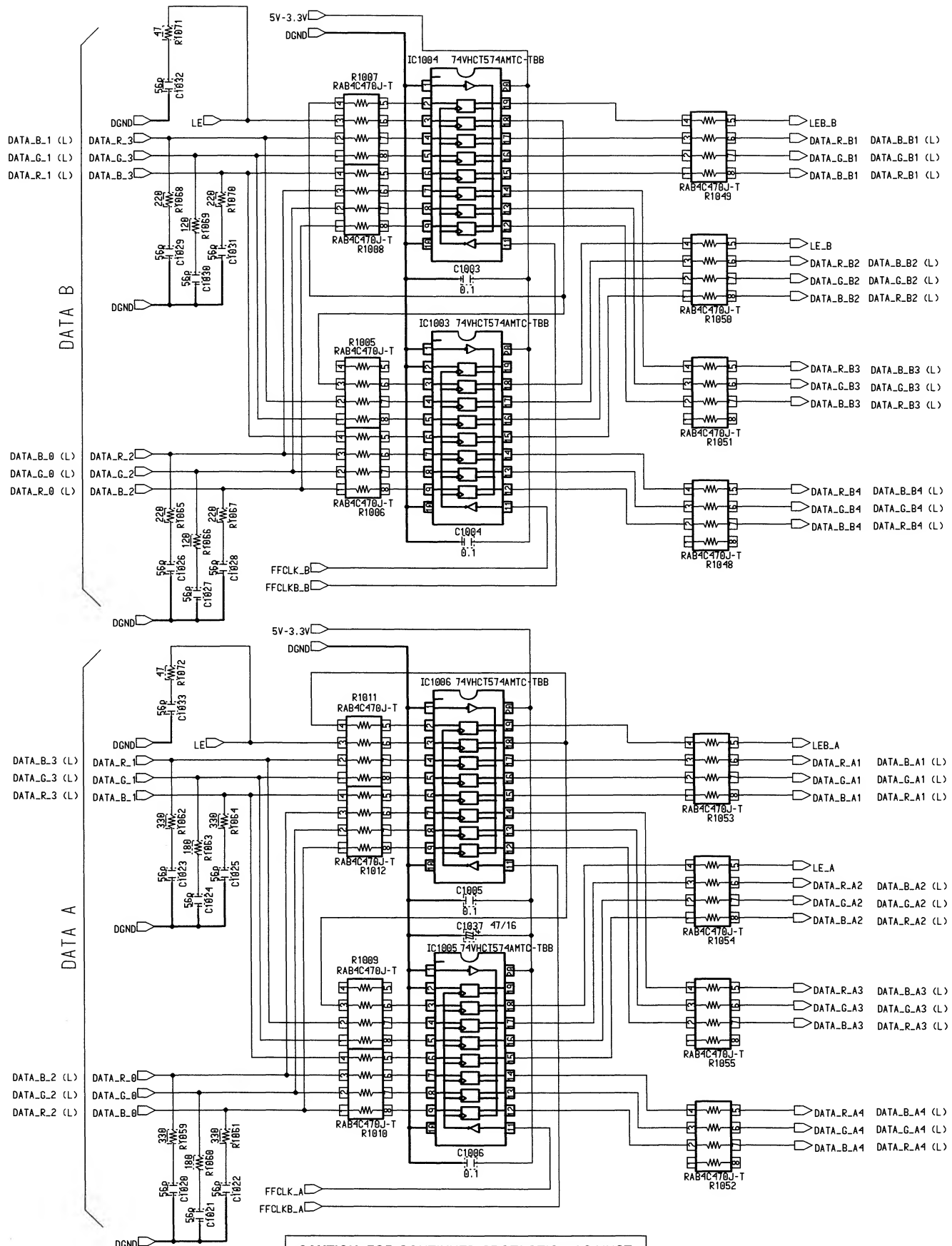
3.50 X CABLE U ASSY and X CABLE D ASSY

X CABLE U ASS'Y



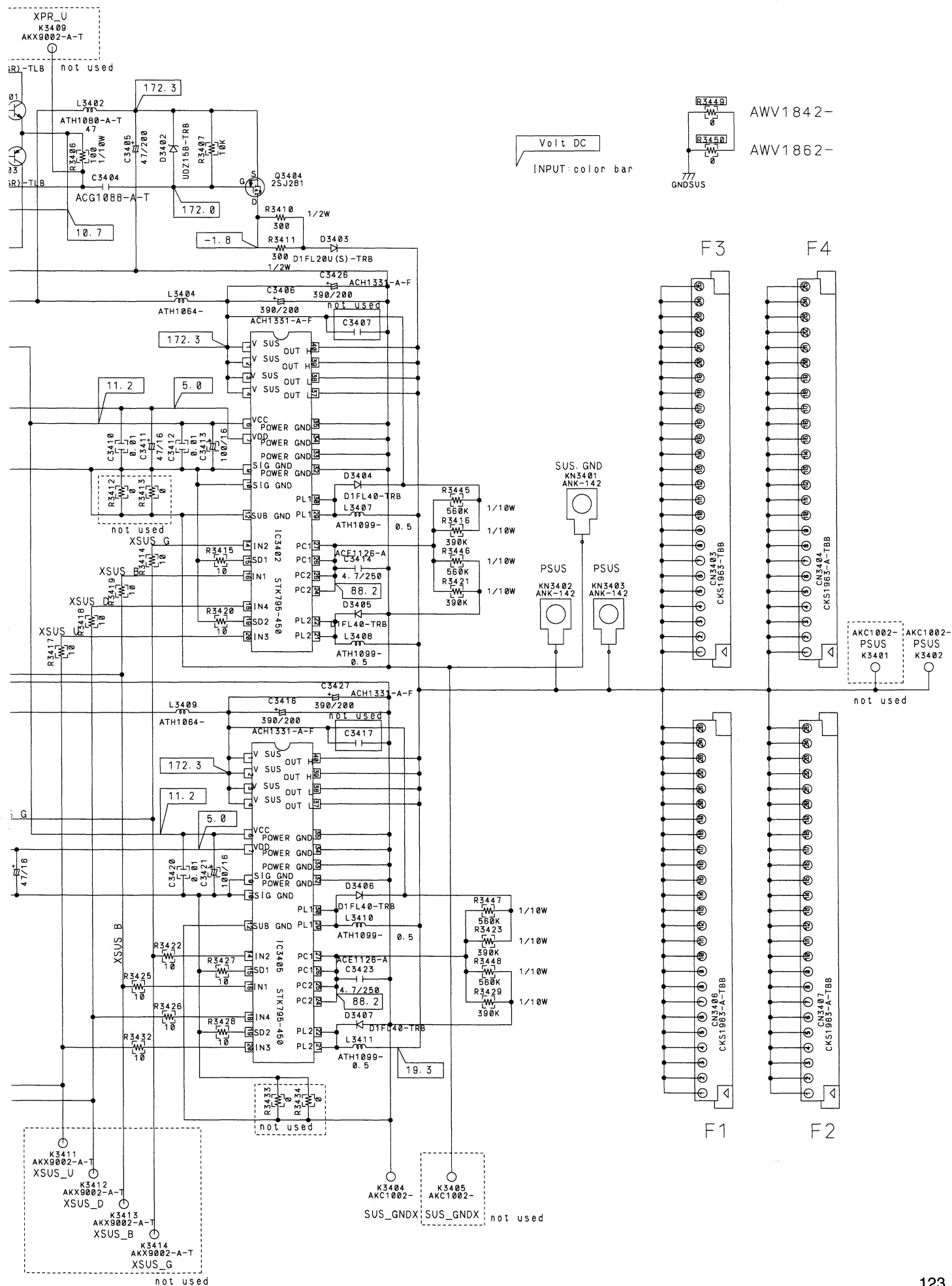
X CABLE D ASS'Y





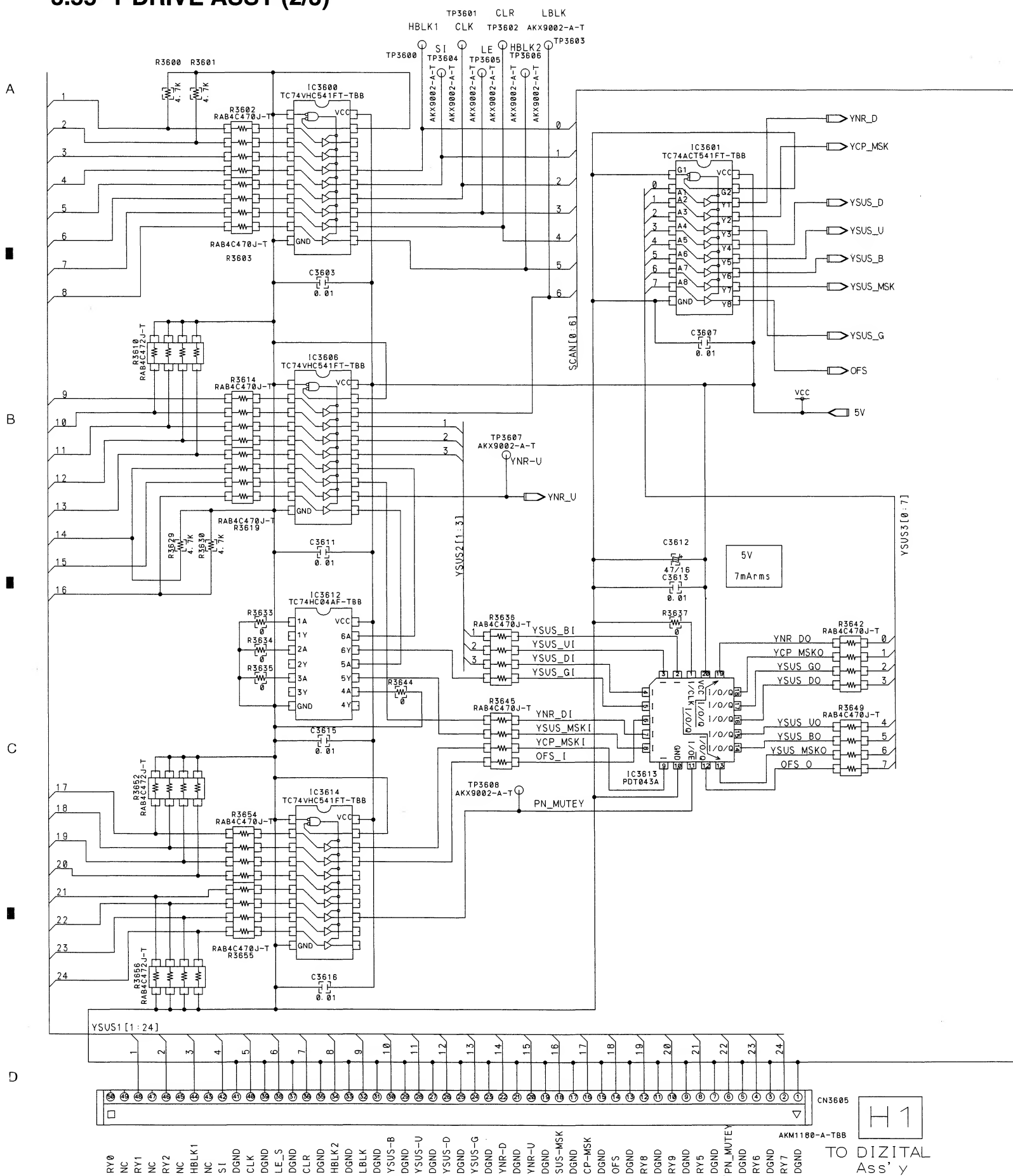


PDP-502MX, PDP-502MXE





3.55 Y DRIVE ASSY (2/3)





C

□

PDP-502MX, PDP-502MXE

3.56 Y DRIVE ASSY (3/3)

VOFS DC/DC conv.

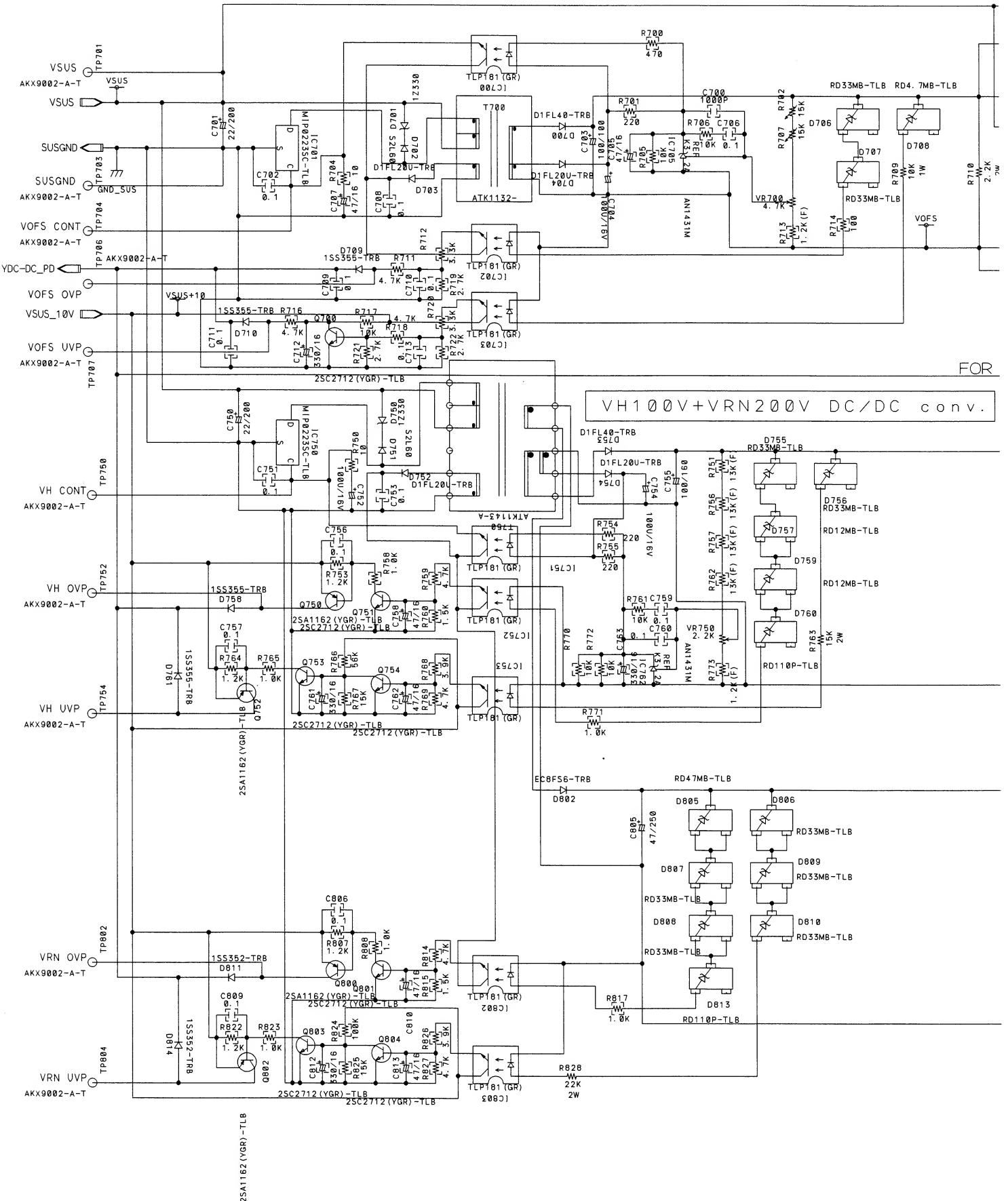
170V

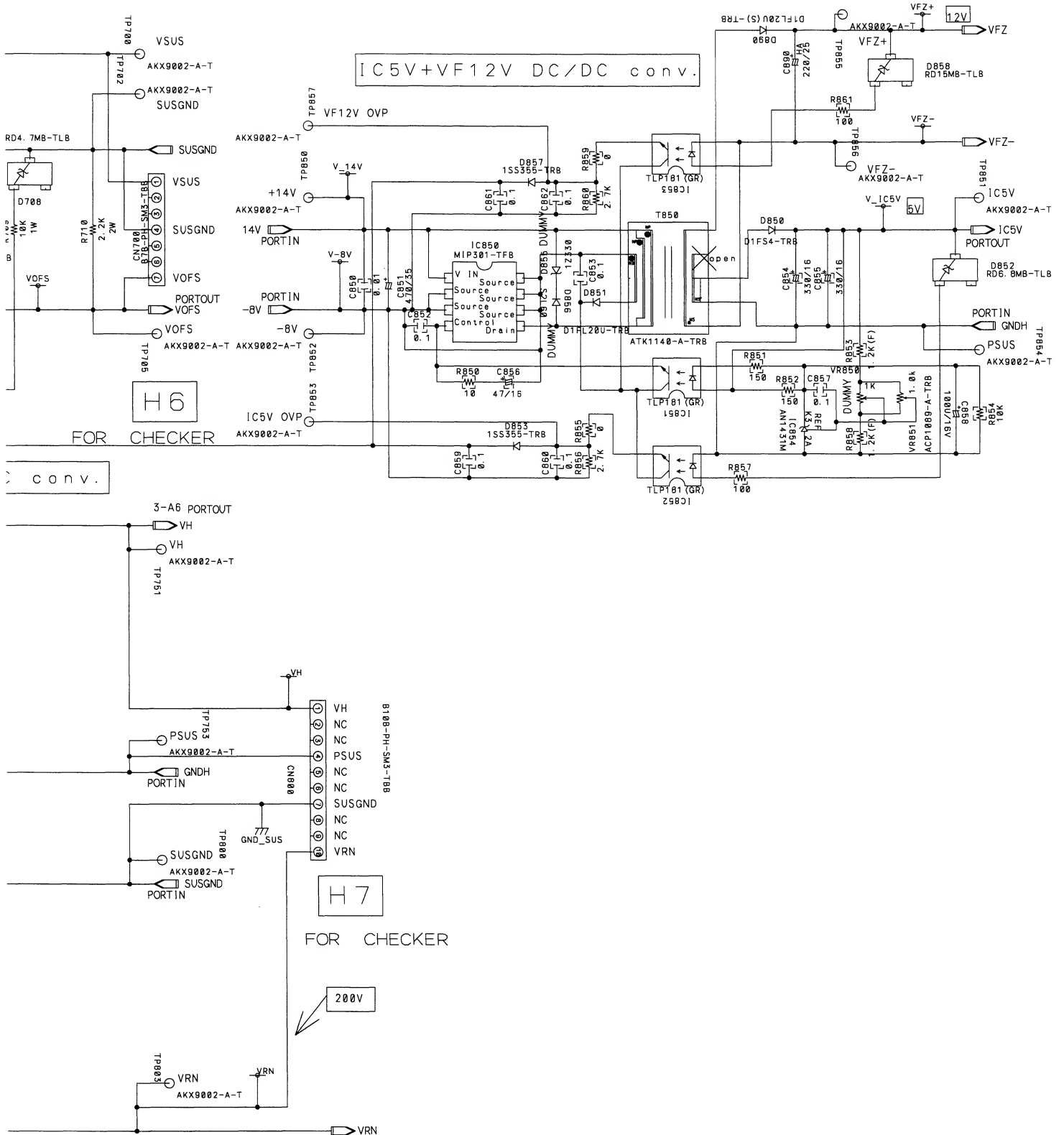
A

B

C

D





PDP-502MX, PDP-502MXE

3.57 SCAN (A) ASSY (1/2)

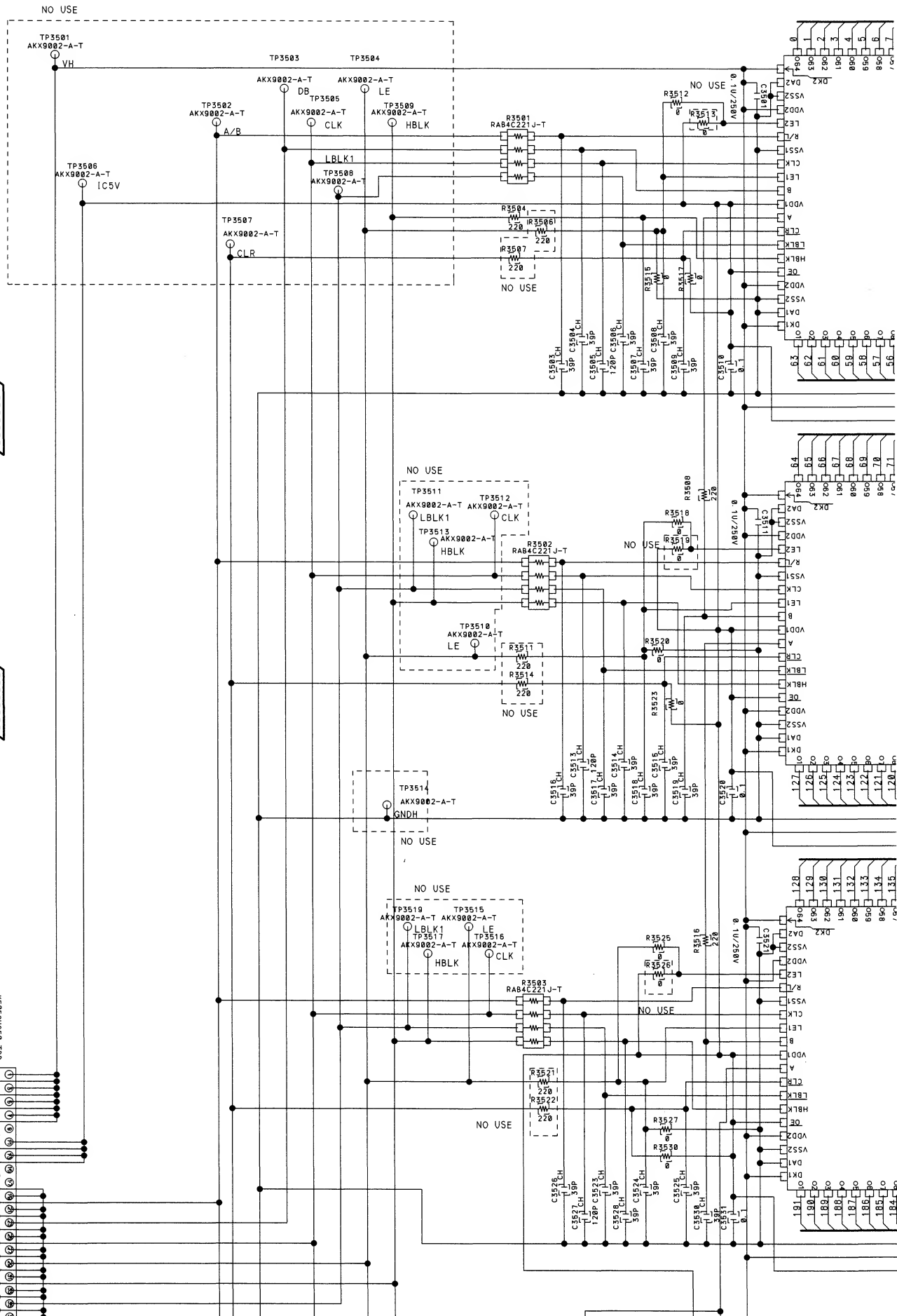
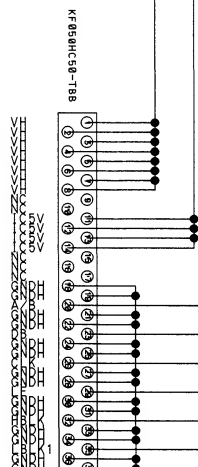
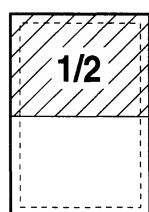
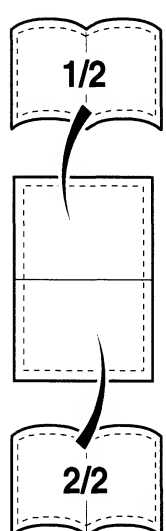
A

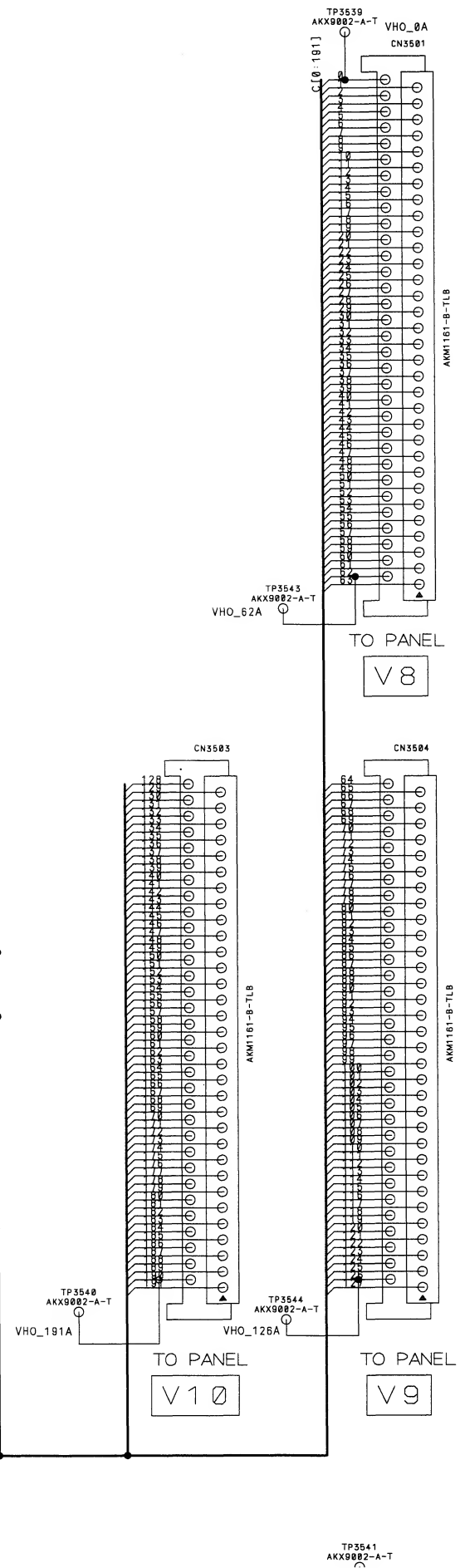
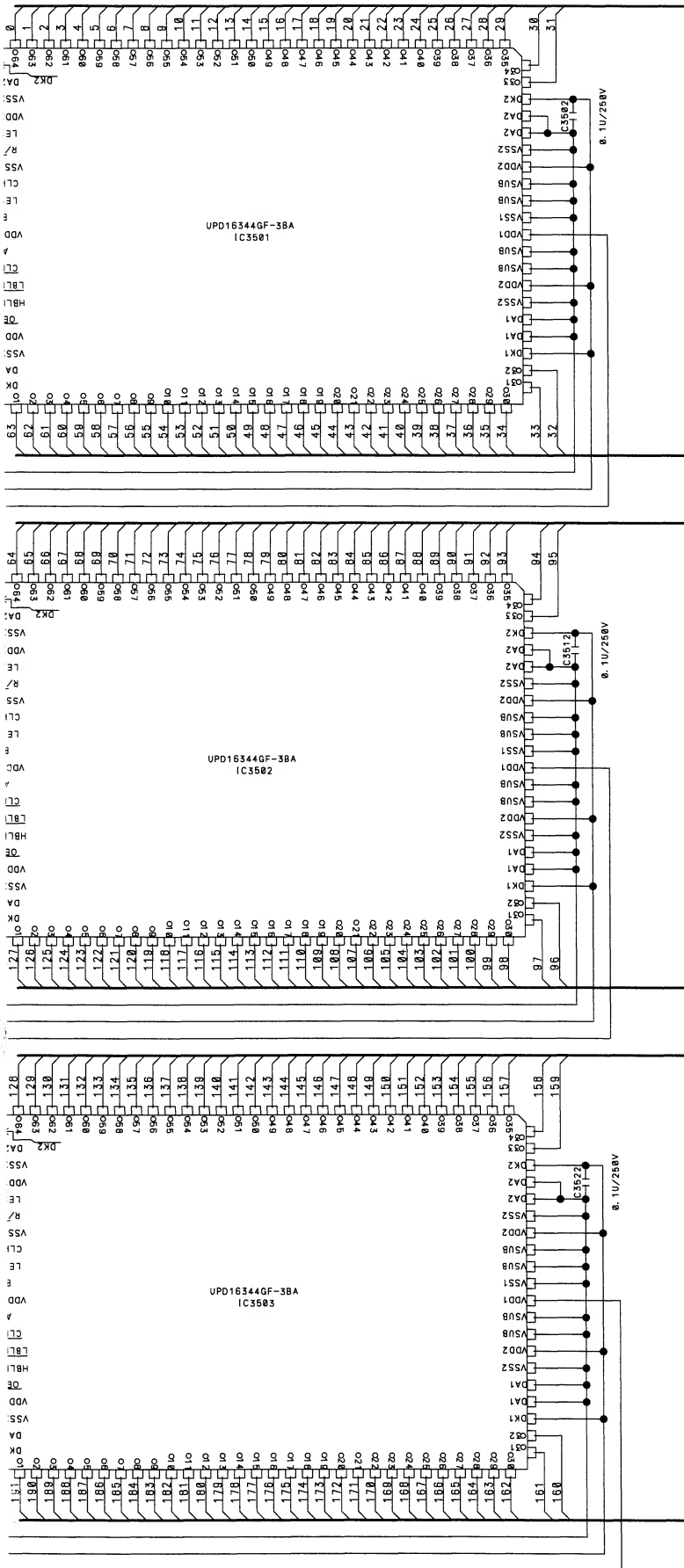
B

C

D

Large size
SCH





A

B

C

D

132





134

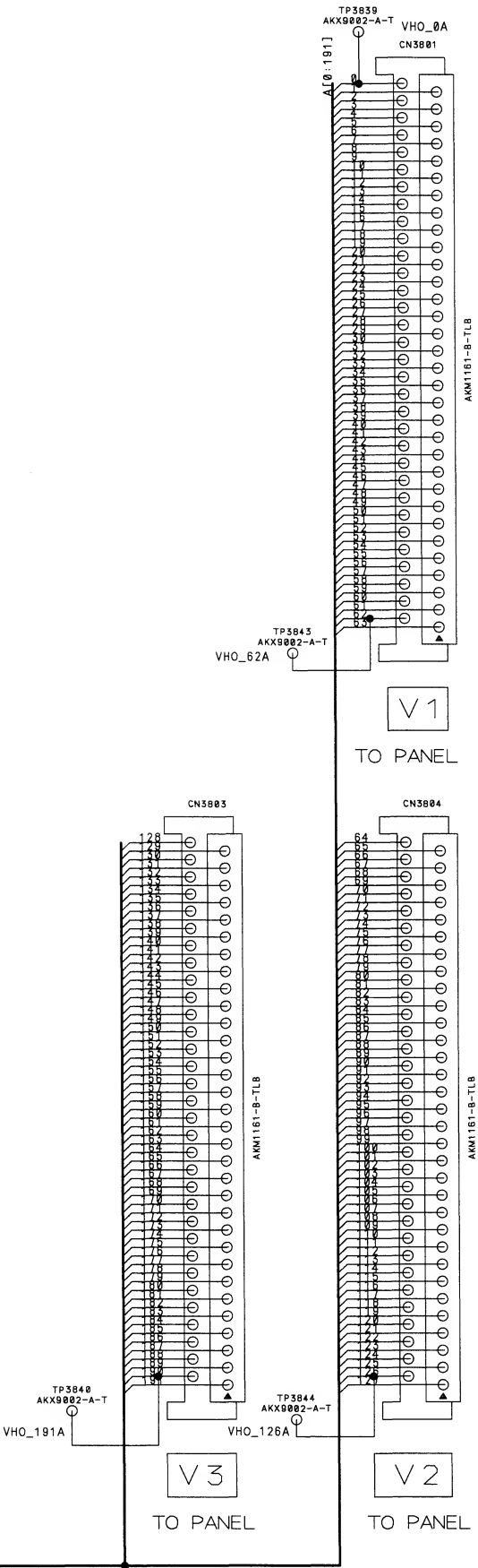
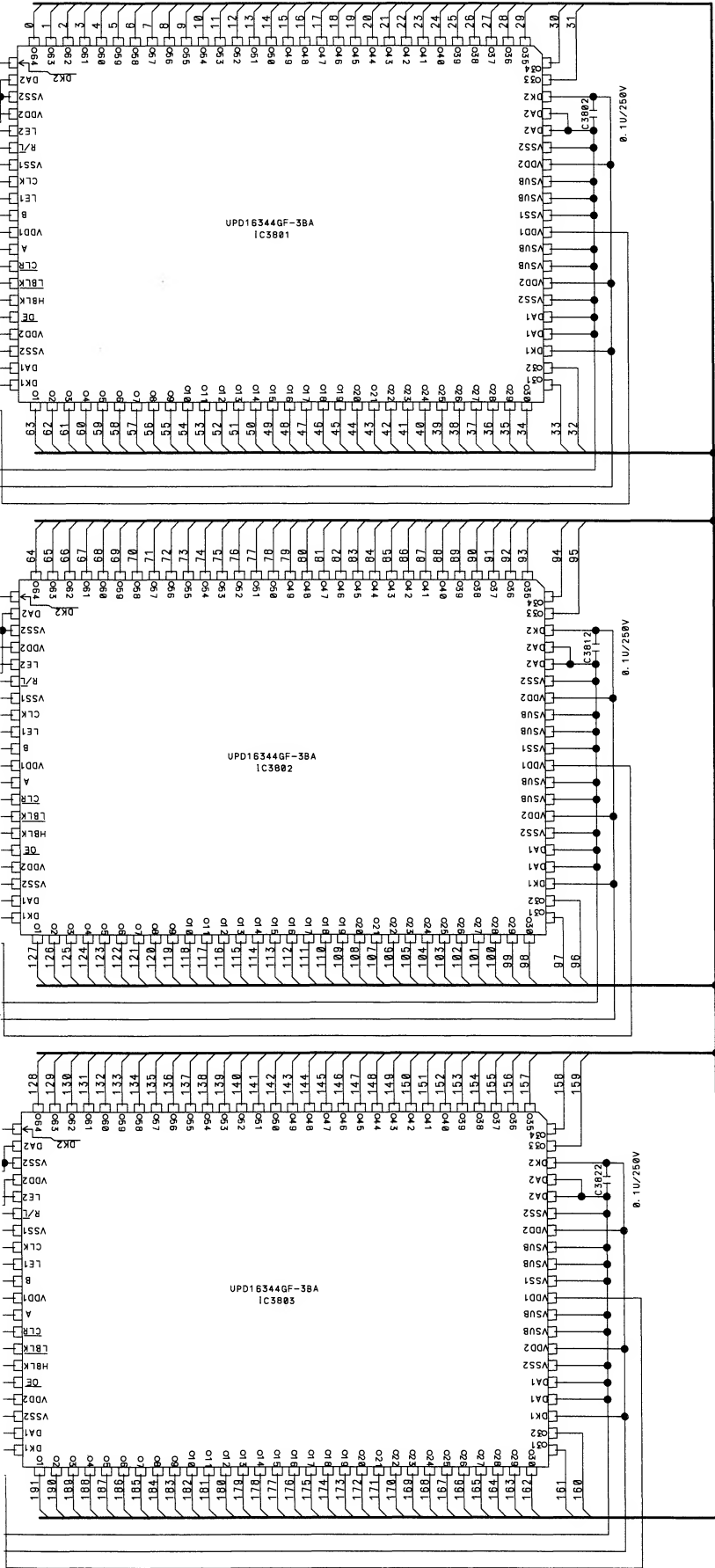


134

134

134

134



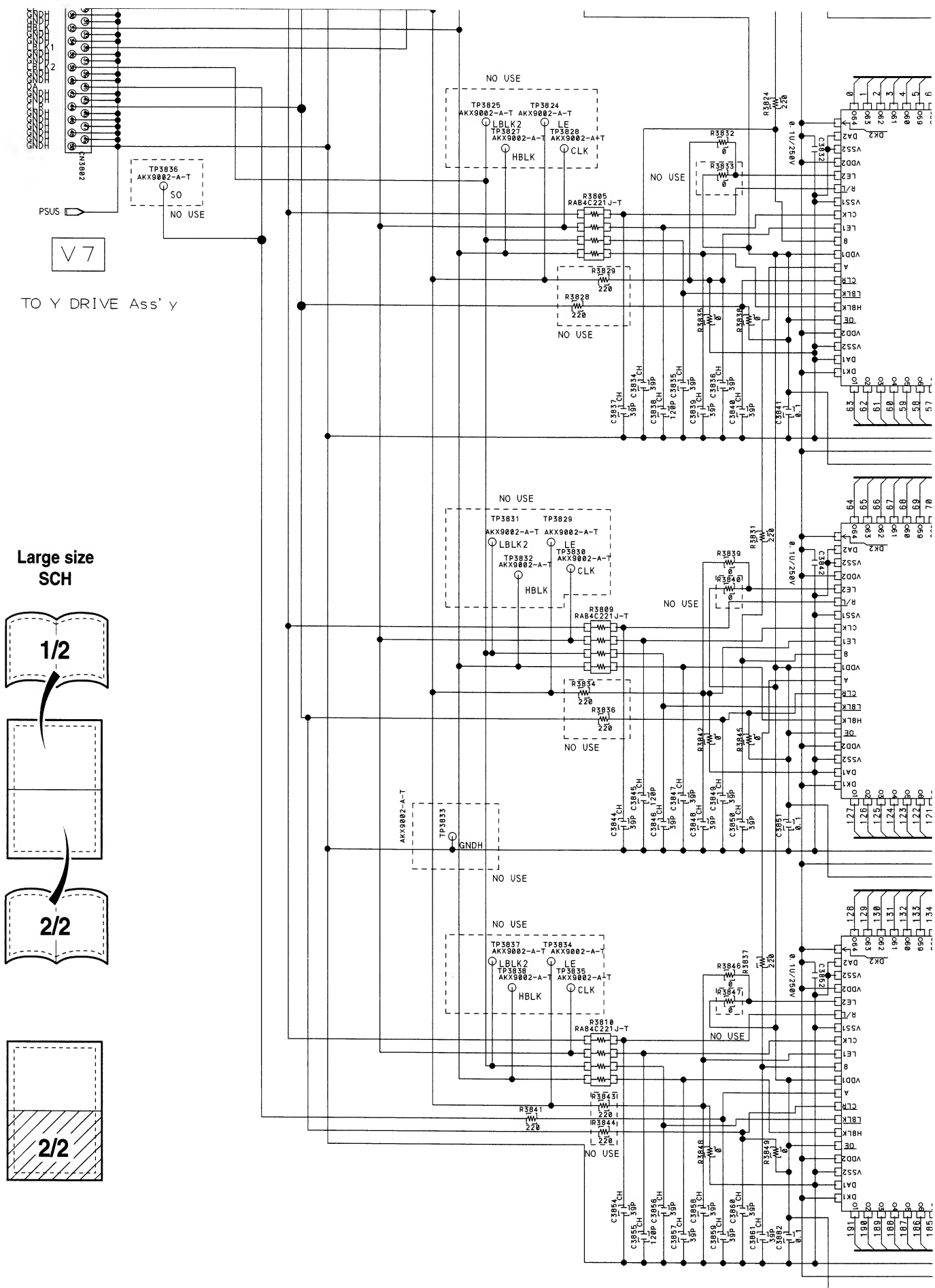
A

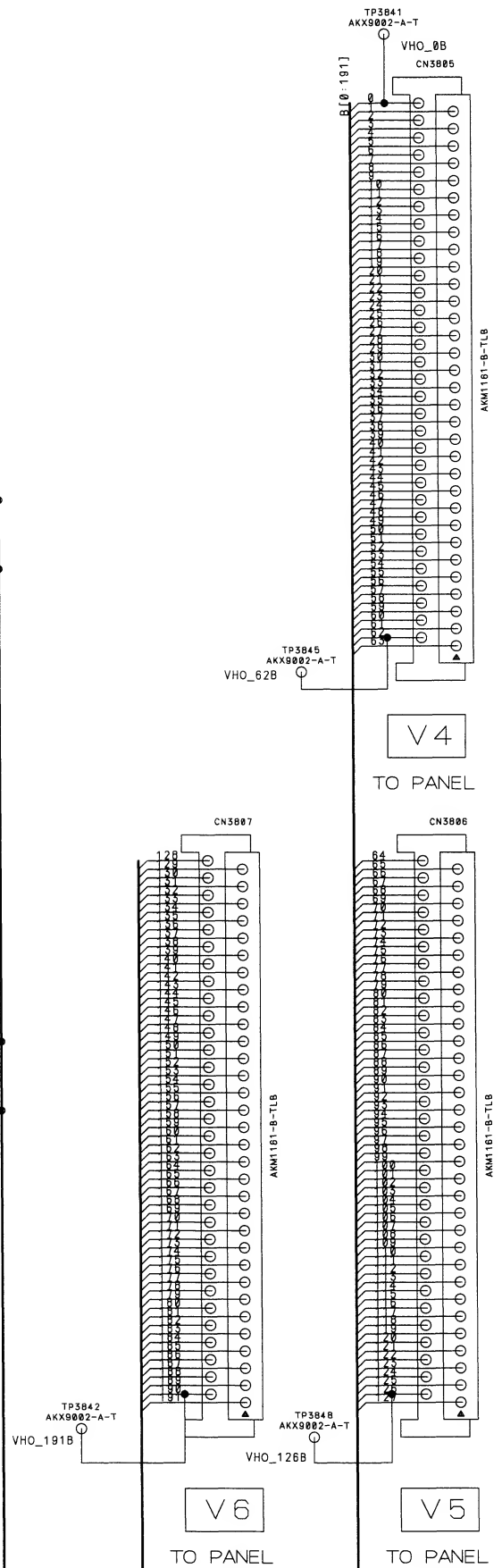
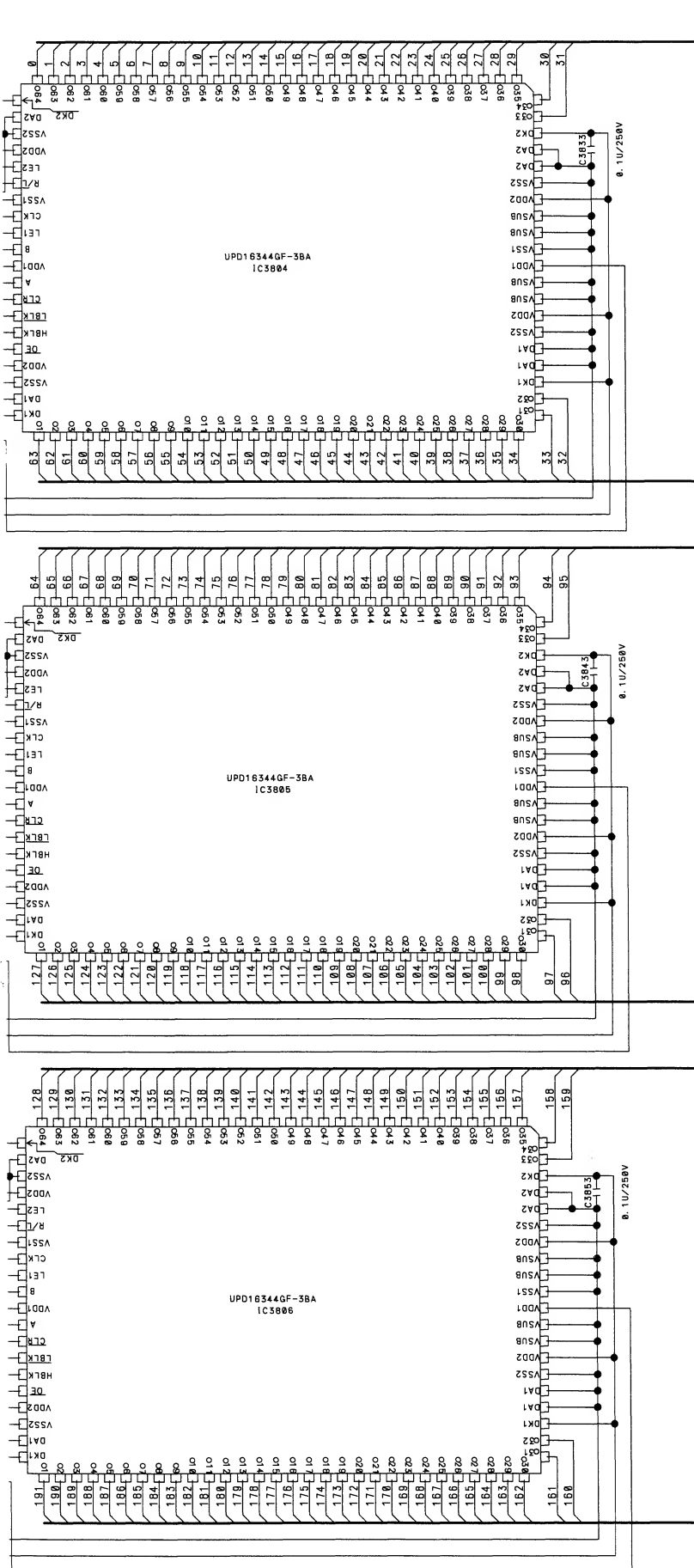
B

C

D

3.60 SCAN (B) ASSY (2/2)





4. PCB DIAGRAM

NOTE FOR PCB DIAGRAMS:

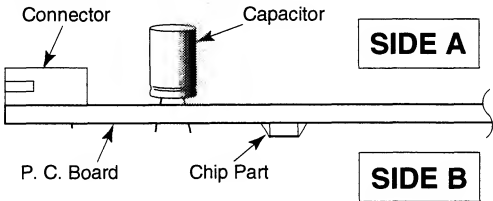
- 1. Part numbers in PCB diagrams match those in the schematic diagrams.
- 2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor

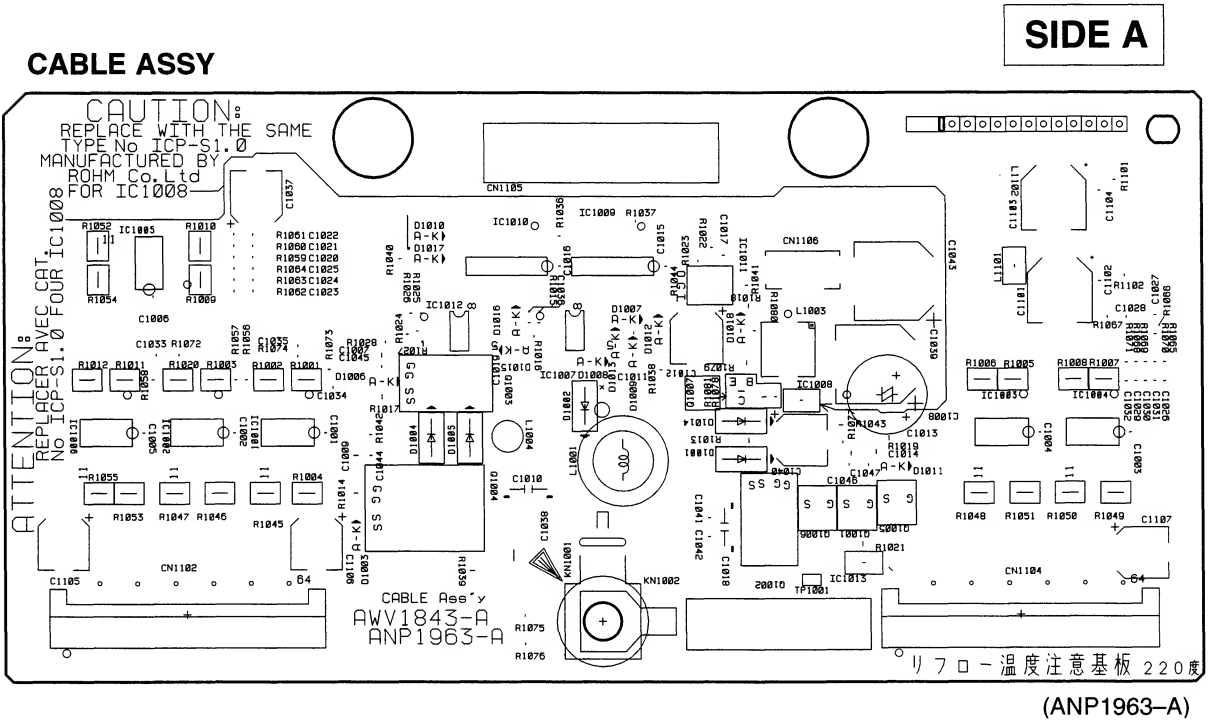
Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Resistor array
		3-terminal regulator

- 3. The parts mounted on this PCB include all necessary parts for several destination.
- For further information for respective destinations, be sure to check with the schematic diagram.

4. Viewpoint of PCB diagrams



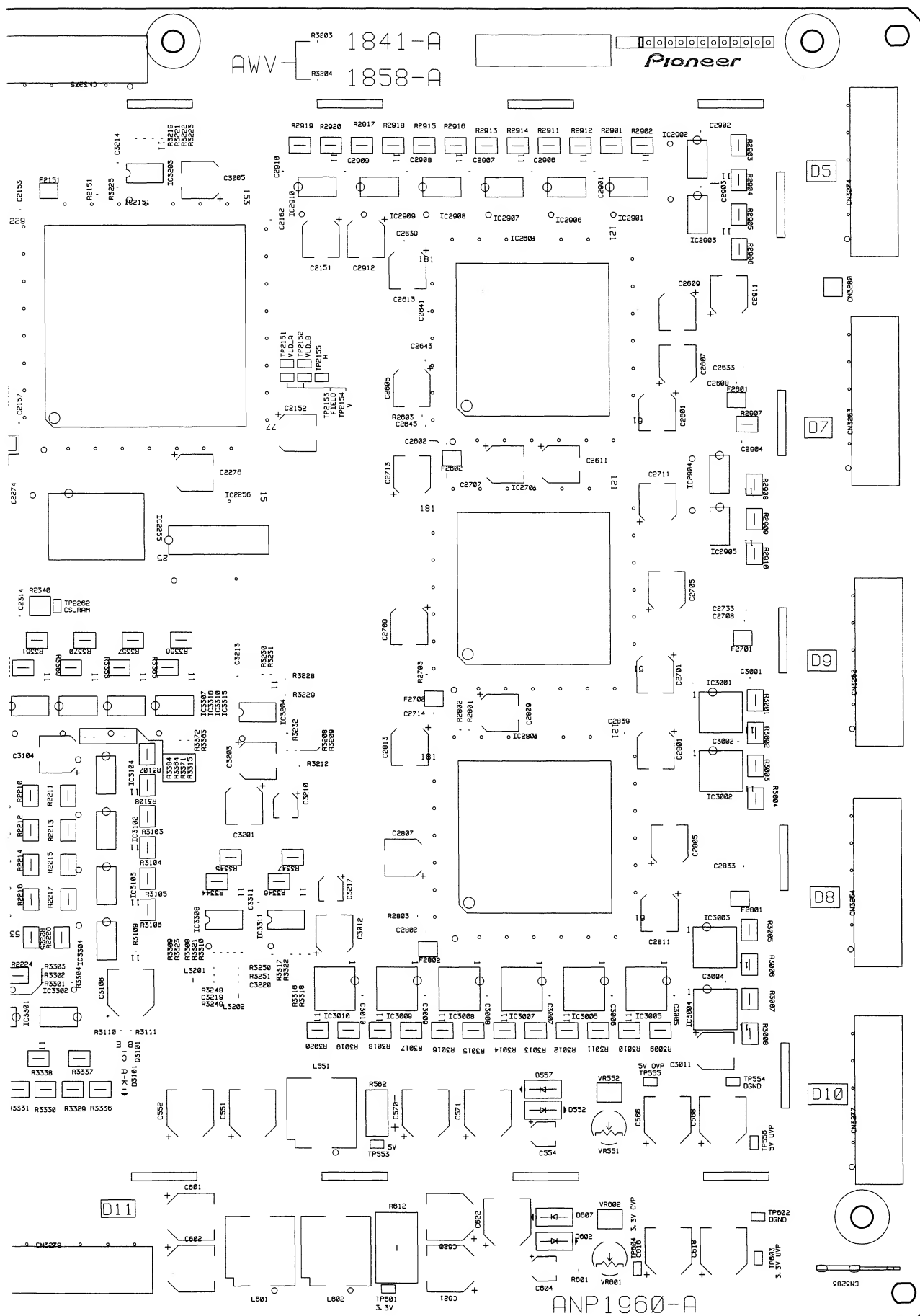
4.1 CABLE ASSY



☐

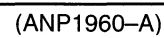


SIDE A

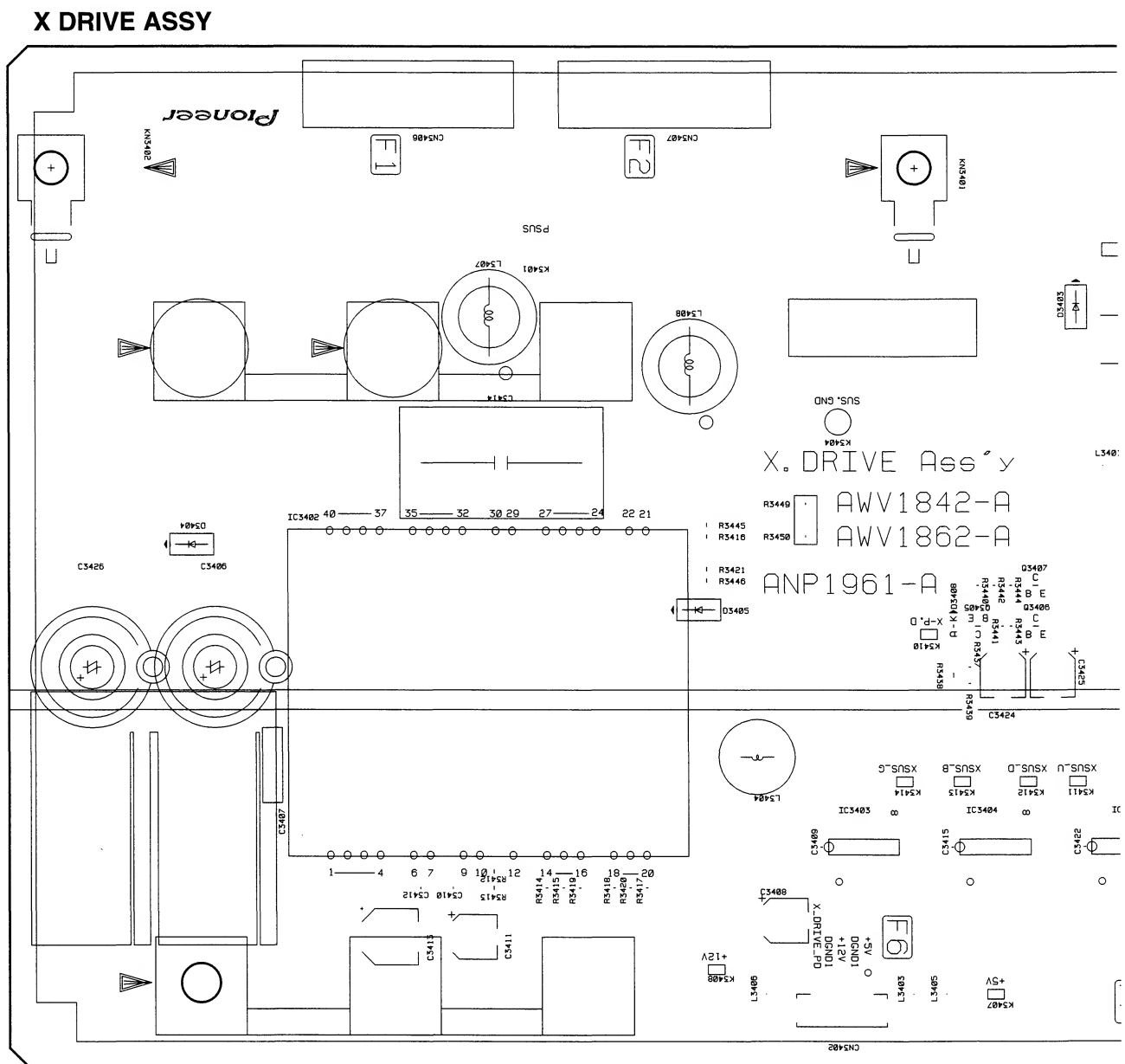


ANP 1960-A

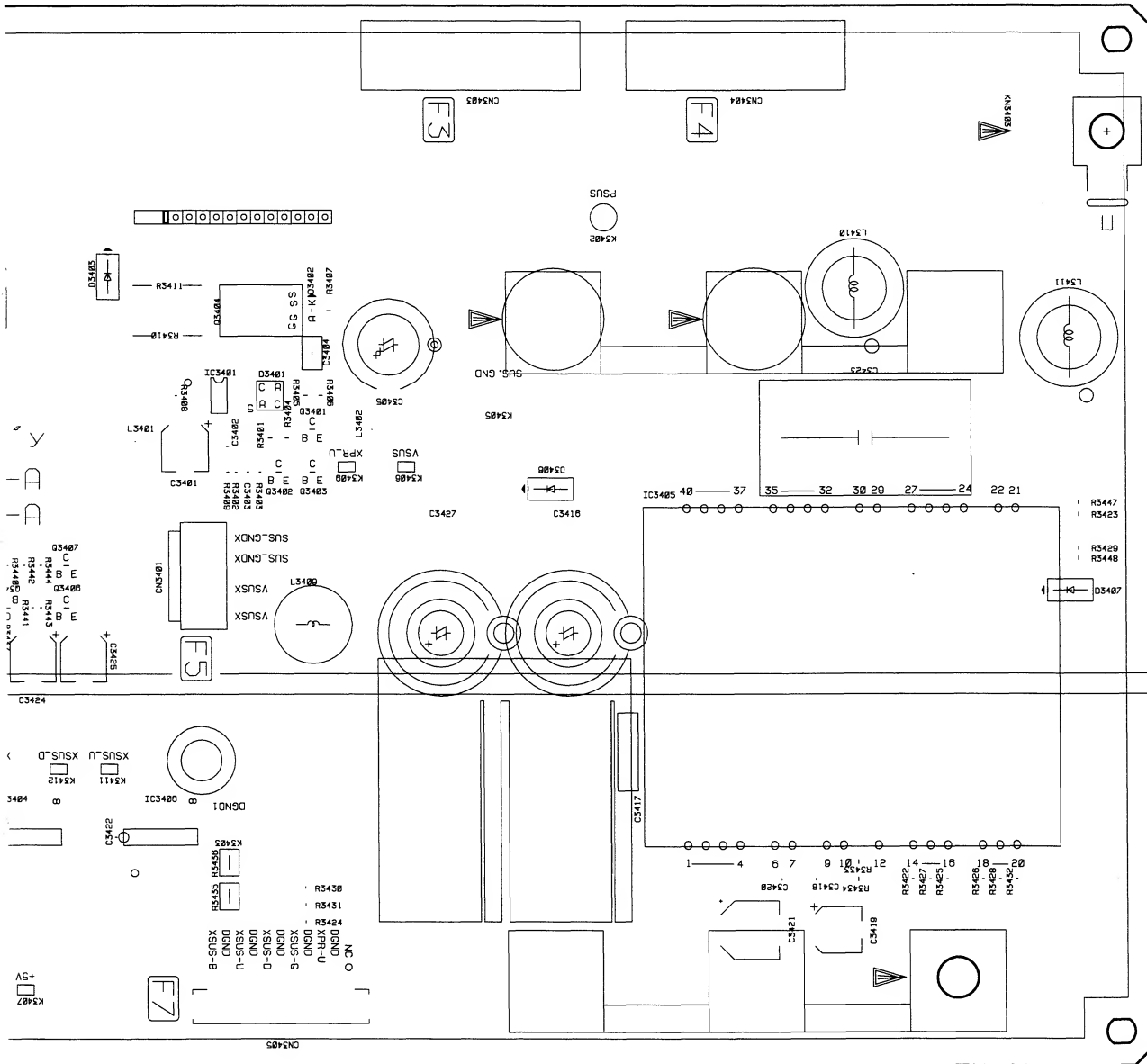
(ANP1960-A)



4.5 X DRIVE ASSY



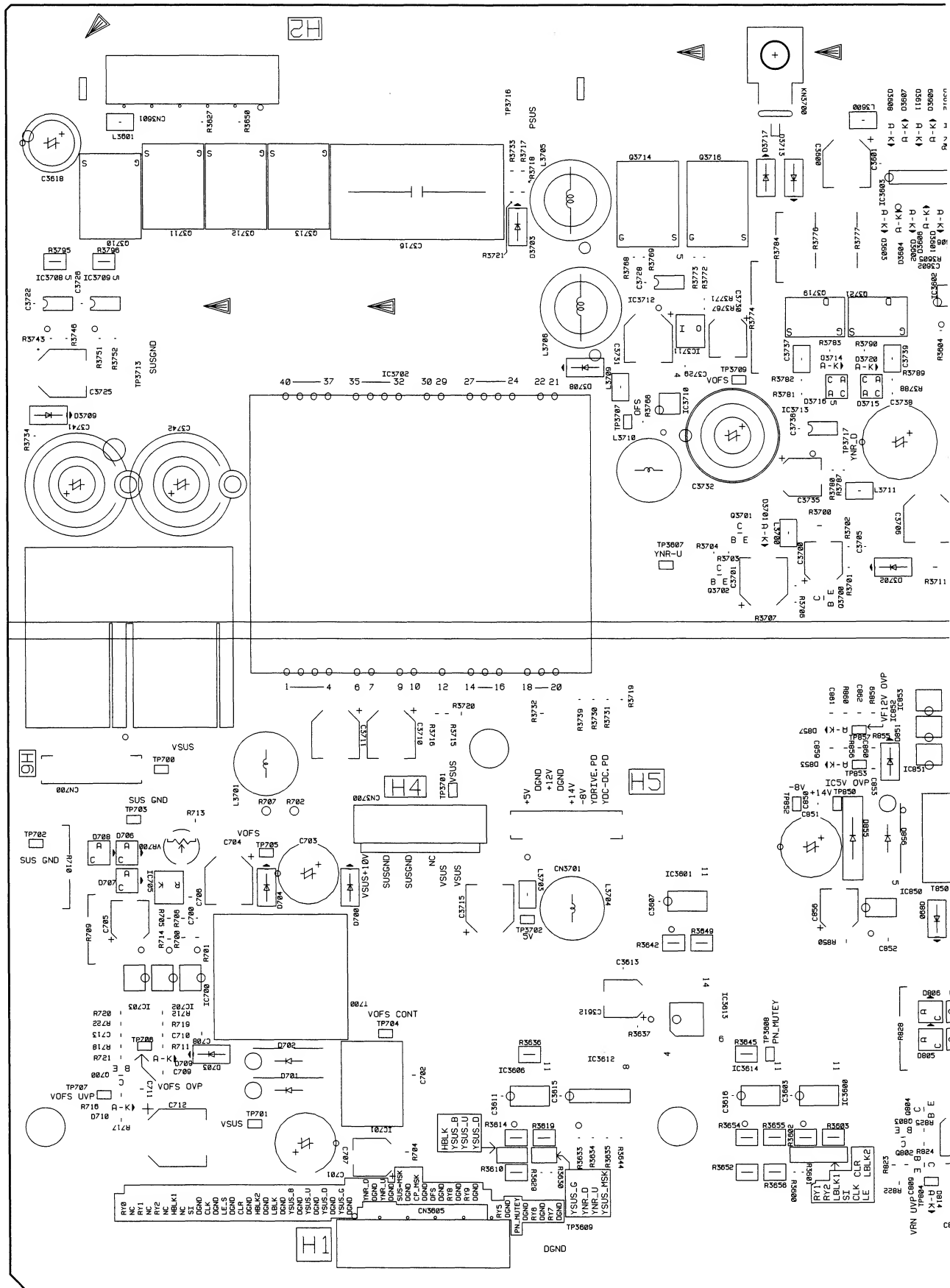
SIDE A



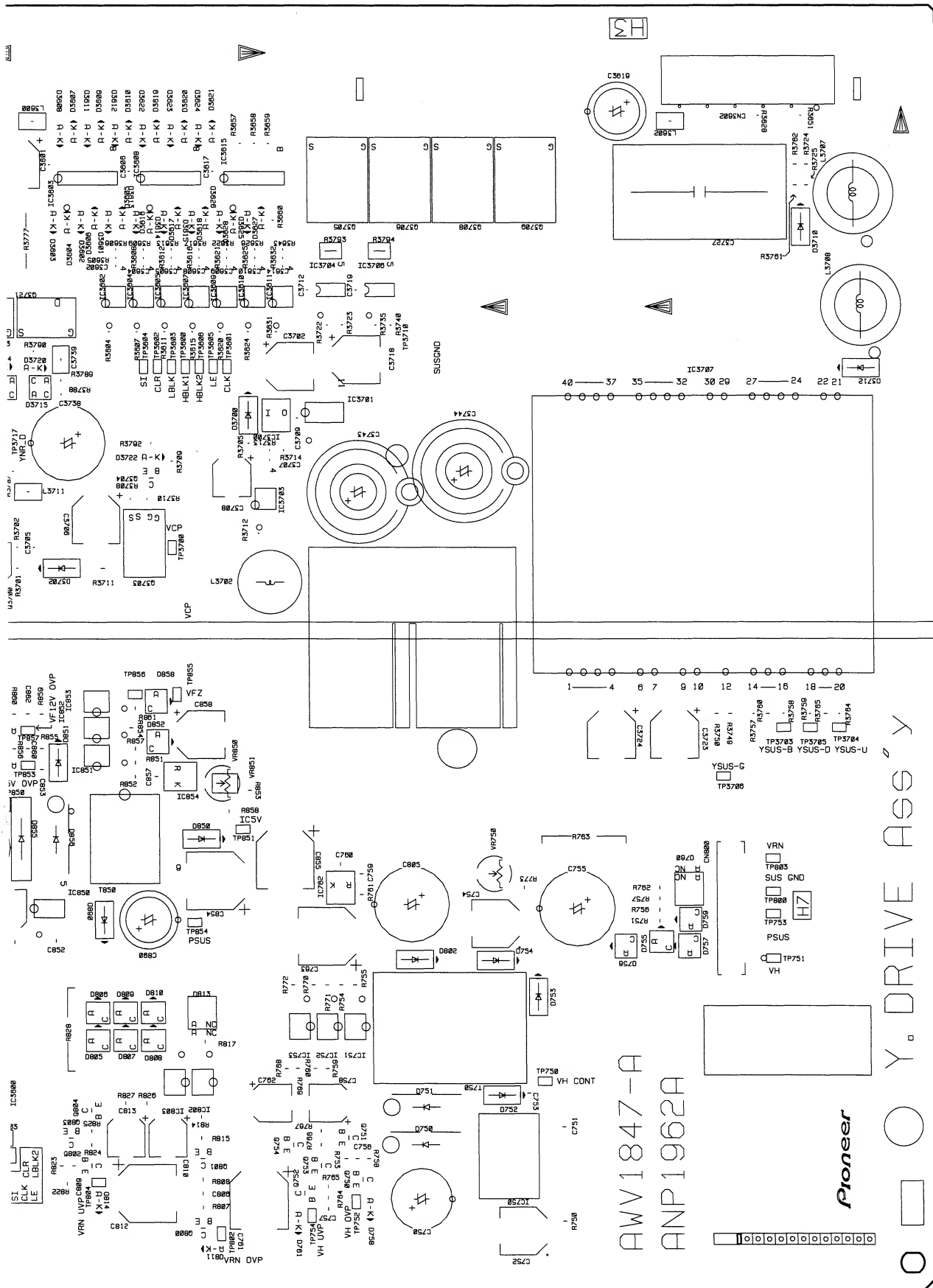
(ANP1961-A)

4.6 Y DRIVE ASSY

Y DRIVE ASSY



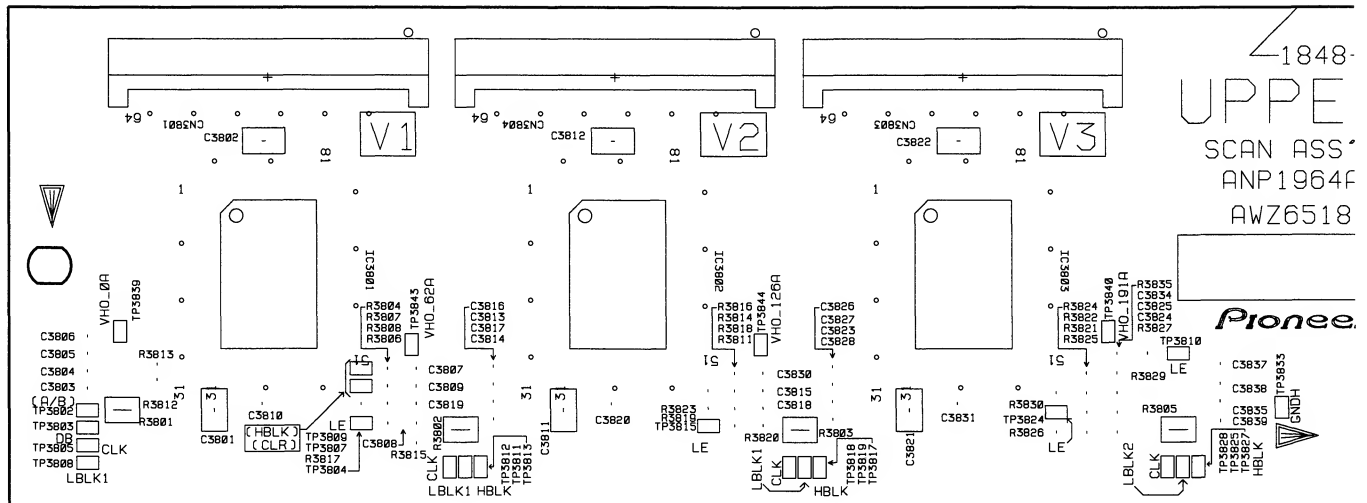
SIDE A



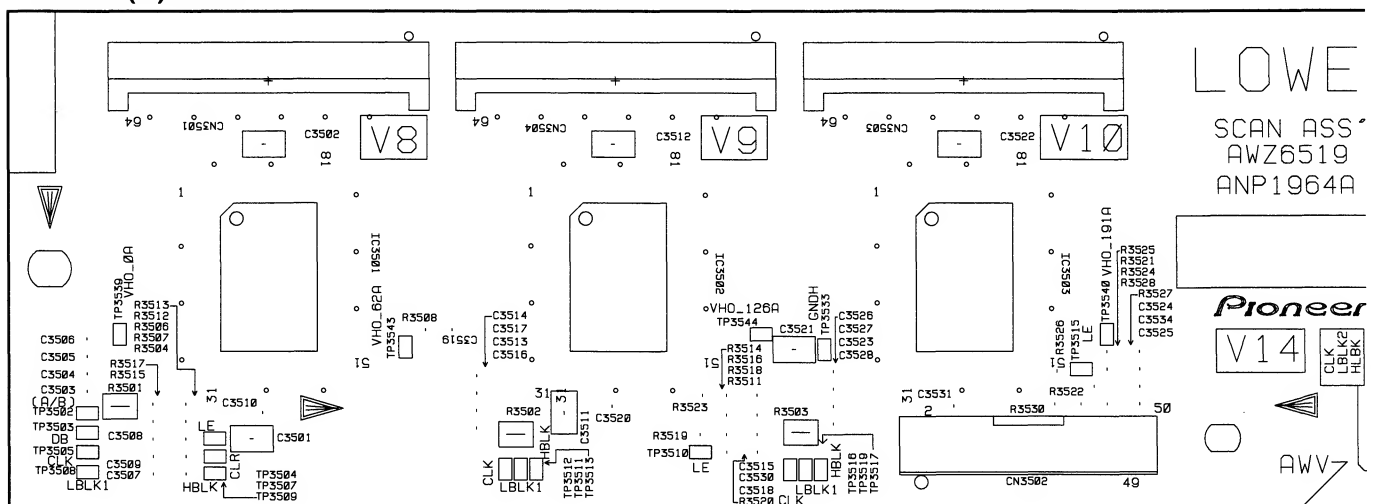
(ANP1962-A)

4.7 SCAN (A) ASSY and SCAN (B) ASSY

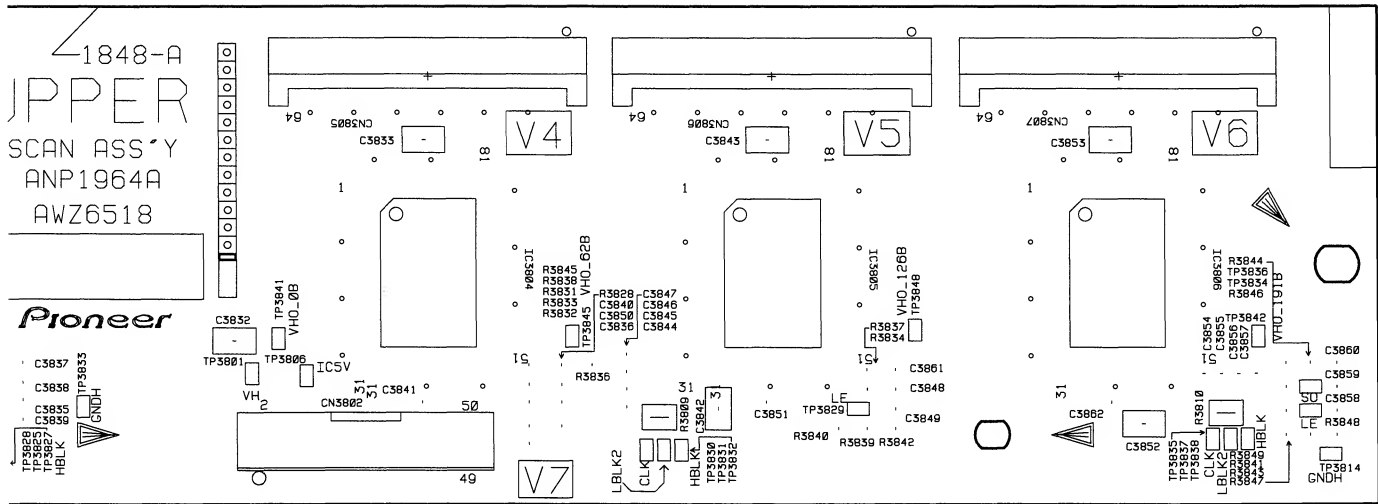
SCAN (A) ASSY



SCAN (B) ASSY

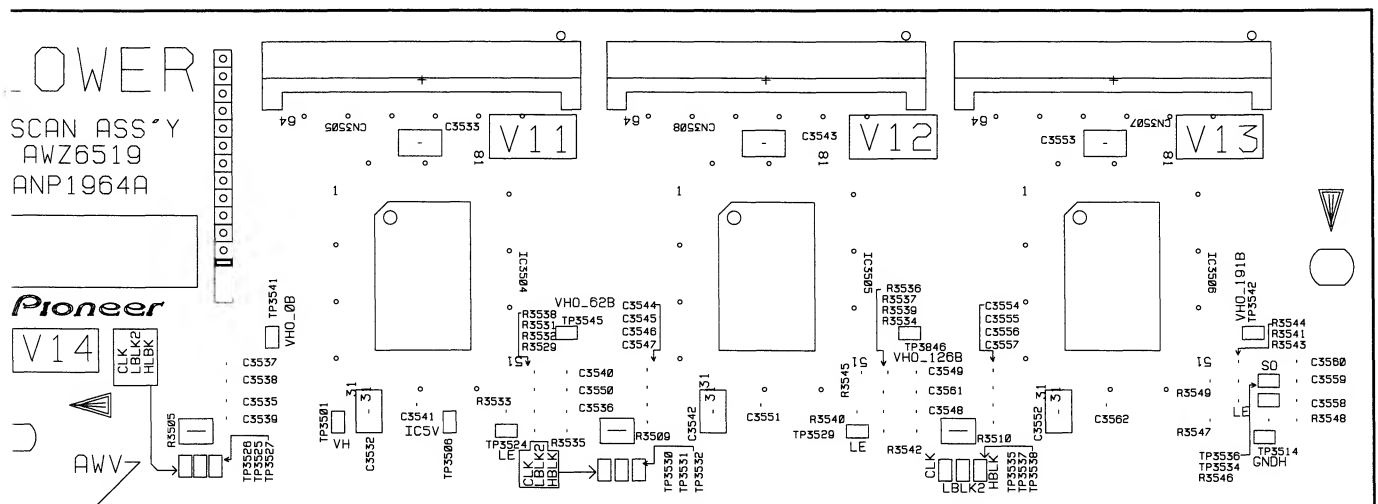


SIDE A



(ANP1964-A)

SIDE A

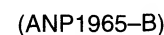


(ANP1964-A)



9

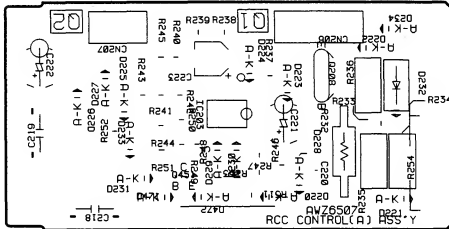
1



4.10 RCC CONTROL (A) ASSY, RCC CONTROL (B) ASSY, RCC CONTROL (C) ASSY, OTL CONTROL (A) ASSY, OTL CONTROL (B) ASSY, OTL CONTROL (C) ASSY, X CABLE D ASSY and X CABLE U ASSY

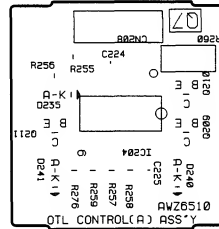
SIDE A

RCC CONTROL (A) ASSY



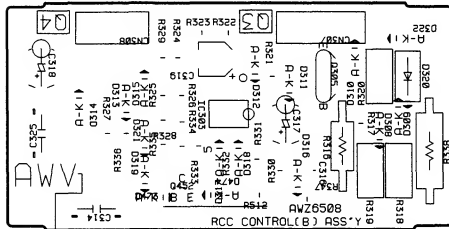
(ANP1966-A)

OTL CONTROL (A) ASSY



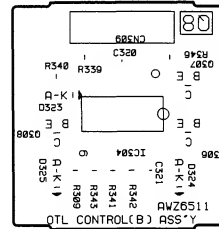
(ANP1966-A)

RCC CONTROL (B) ASSY



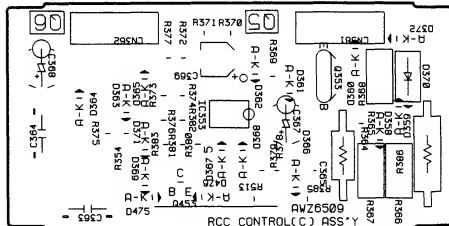
(ANP1966-A)

OTL CONTROL (B) ASSY



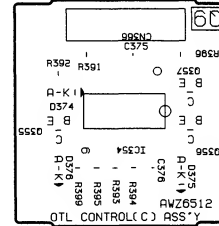
(ANP1966-A)

RCC CONTROL (C) ASSY



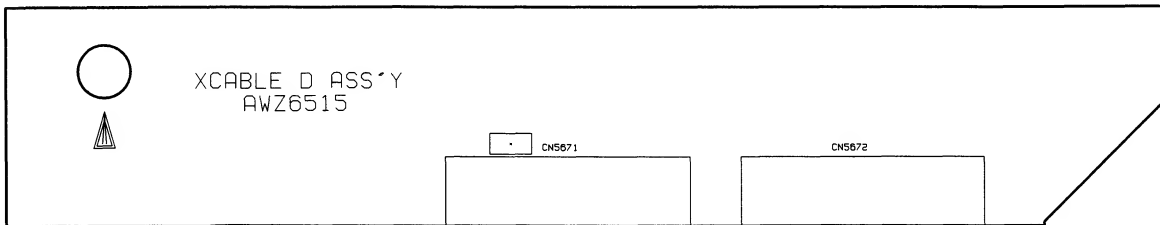
(ANP1966-A)

OTL CONTROL (C) ASSY



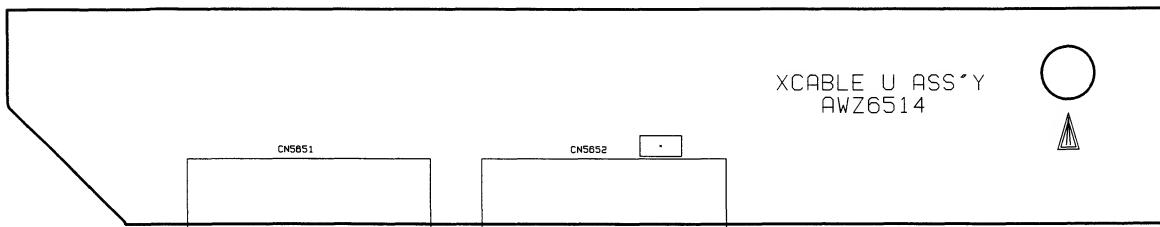
(ANP1966-A)

X CABLE D ASSY



(ANP1966-A)

X CABLE U ASSY

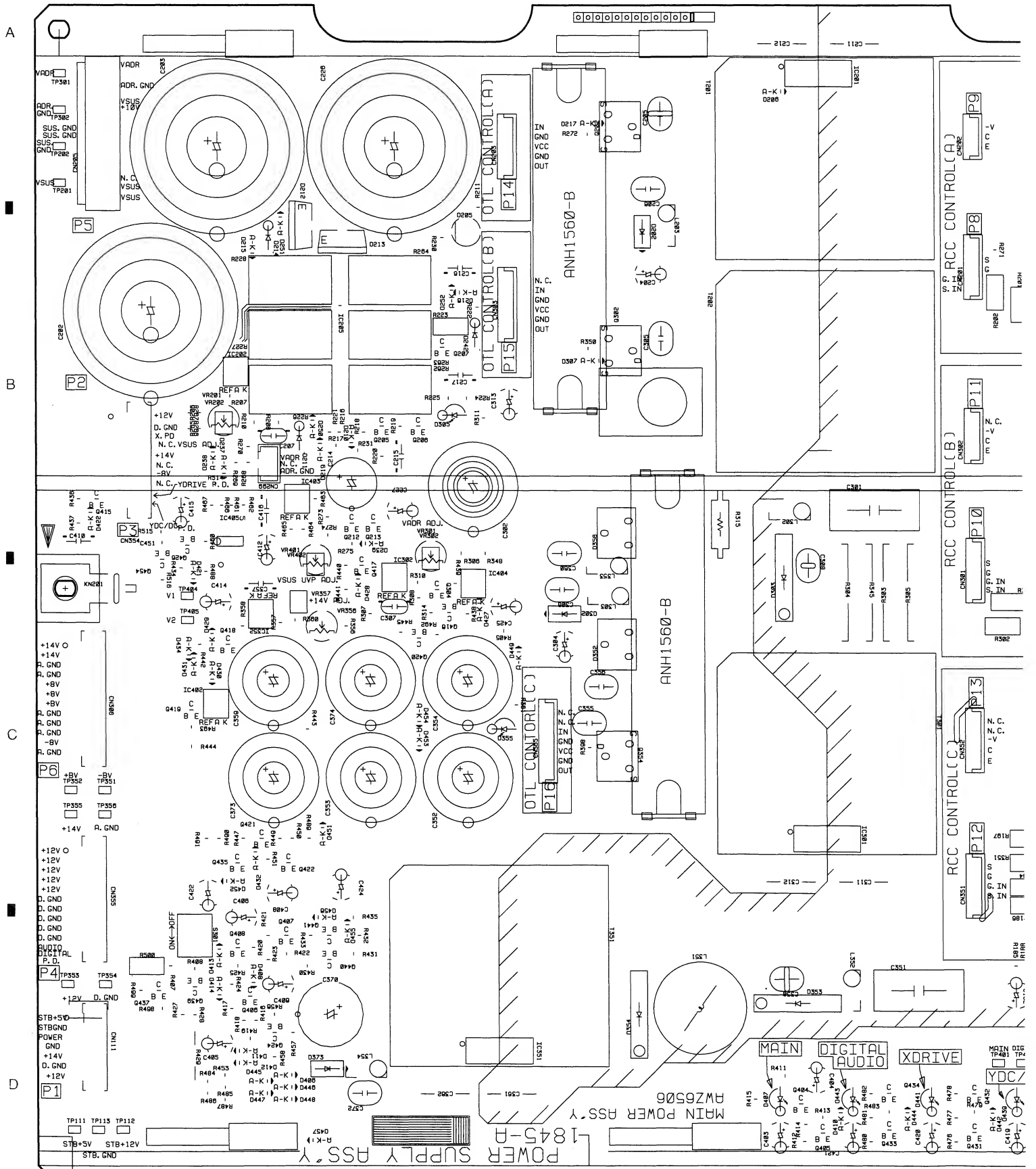


(ANP1966-A)

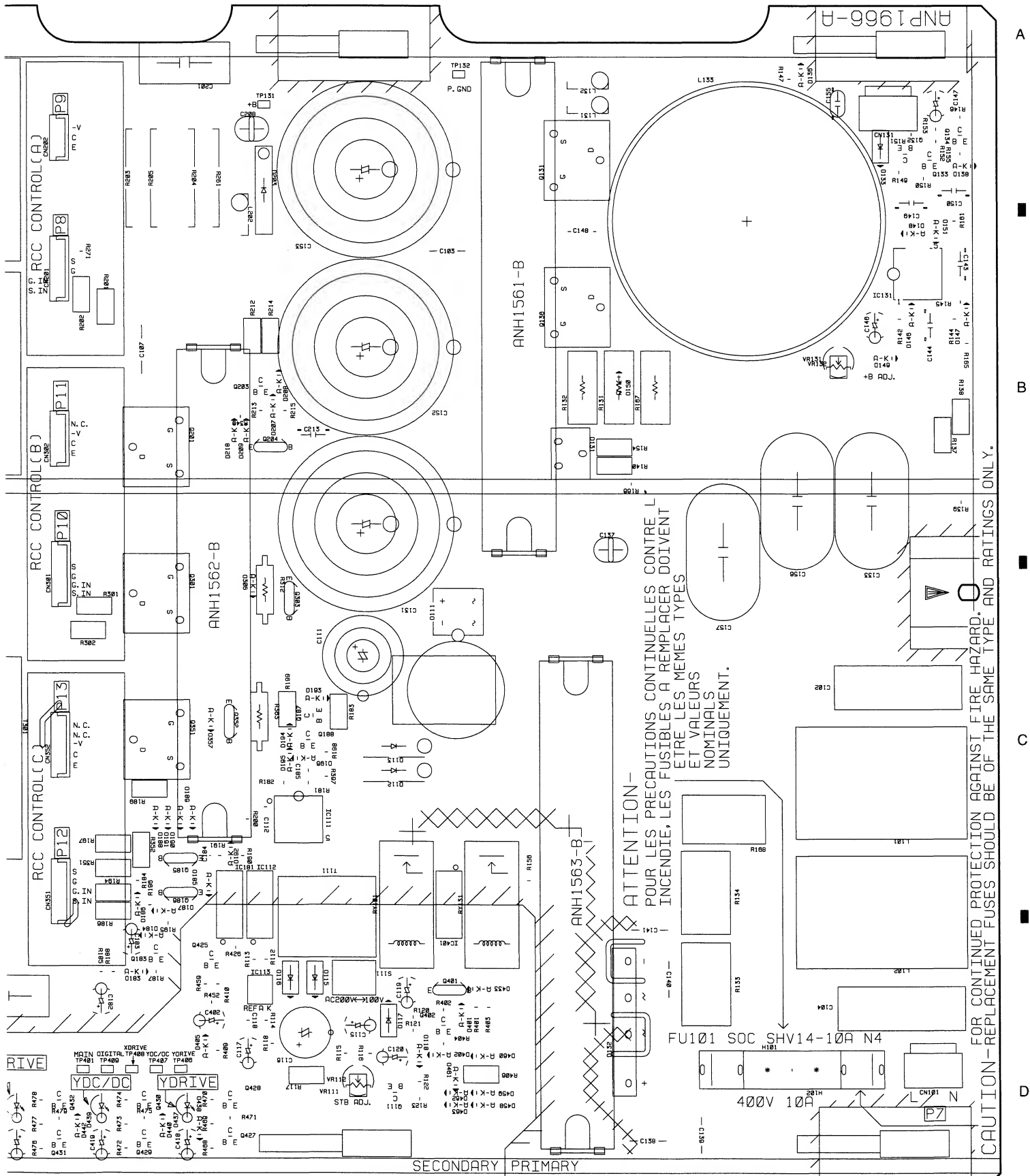
PDP-502MX, PDP-502MXE

4.11 MAIN POWER ASSY

MAIN POWER ASSY



SIDE A

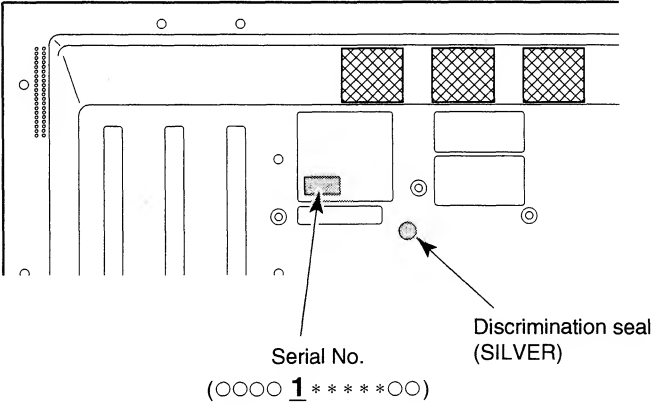


CAUTION - REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.

(ANP1966-A)

Confirm it

■ PRODUCT REAR SIDE



■ SERIAL NO.

Serial No.	Service Manual
○○○○ <u>1</u> *****○○	ARP3075
	ARP3078 [This manual]
OTHER	ARP3037
	ARP3044